

Handbook of M.COMMUNITIES

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Calculating Species Abundance in Minor Communities Generated by DBSCAN Clustering

Description Calculate the species abundance in Minor Communities generated by DBSCAN clustering.

Usage

`abundance_dbscan_m_communities(entity, minx, miny, maxx, maxy, eps, minPts, edge)`

Arguments

entity: Distribution coordinates and species information of plant individuals

minx: Core area boundary, minimum x-value

miny: Core area boundary, minimum y-value

maxx: Core area boundary, maximum x-value

maxy: Core area boundary, maximum y-value

eps: eps parameter for DBSCAN clustering

minPts: minPts parameter for DBSCAN clustering

edge: Method for filtering Minor Communities based on boundaries, with options "inside" and "centroid"

Value

Species abundance in each small community

Examples

```
entity=M.COMMUNITIES::entity  
M.COMMUNITIES::abundance_dbscan_m_communities(entity,minx=5,miny=5,maxx=45,maxy=45,eps=2,minPts=1,edge="centroid")
```

```
## Warning: 程序包'FD'是用R版本4.4.3 来建造的
```

```
## 载入需要的程序包: ade4
```

```
## 载入需要的程序包: ape
```

```
## 载入需要的程序包: geometry
```

```
## Warning: 程序包'geometry'是用R版本4.4.3 来建造的
```

```
## 载入需要的程序包: vegan
```

```
## Warning: 程序包'vegan'是用R版本4.4.3 来建造的
```

```
## 载入需要的程序包: permute
```

```
## 载入需要的程序包: lattice
```

```
## Warning: 程序包'dbscan'是用R版本4.4.3 来建造的
```

```
##  
## 载入程序包: 'dbscan'
```

```
## The following object is masked from 'package:stats':  
##  
##      as.dendrogram
```

##		sp1	sp10	sp14	sp2	sp3	sp4	sp5	sp6	sp7	sp8	sp9	m_community_ID
## m_community 1	1	1	0	0	0	7	5	0	1	0	0	0	1
## m_community 2	21	8	0	2	139	2	2	95	108	3	14		2
## m_community 3	2	0	0	0	2	0	0	4	0	1	0		3
## m_community 4	1	8	0	0	6	0	0	7	2	2	1		4
## m_community 5	2	0	0	0	4	1	0	0	0	0	0		5
## m_community 6	2	4	4	0	0	2	1	4	5	0	2		6
## m_community 7	1	0	0	0	0	0	0	0	0	0	0		7
## m_community 8	1	0	0	1	0	0	0	0	0	0	0		8
## m_community 9	1	0	0	0	0	0	0	0	0	0	0		9
## m_community 10	0	0	0	1	0	0	0	0	0	0	0		10
## m_community 11	0	0	0	1	0	0	0	0	0	0	0		11
## m_community 12	0	0	0	1	1	0	2	0	0	0	0		12
## m_community 13	0	0	0	1	0	0	0	1	0	0	0		13
## m_community 14	0	2	0	0	1	0	0	1	0	0	0		14
## m_community 15	0	11	0	0	5	4	0	4	7	4	2		15
## m_community 16	0	0	0	0	1	0	0	0	0	1	0		16
## m_community 17	0	0	0	0	2	0	0	0	2	1	0		17
## m_community 18	0	0	0	0	2	0	0	0	0	0	0		18
## m_community 19	0	2	0	0	5	16	0	1	0	1	0		19
## m_community 20	0	4	0	0	2	0	0	1	0	0	0		20
## m_community 21	0	0	0	0	1	0	0	0	0	0	0		21
## m_community 22	0	0	0	0	1	1	0	2	0	0	0		22
## m_community 23	0	0	0	0	1	0	0	0	0	0	0		23
## m_community 24	0	0	0	0	1	0	0	1	0	0	0		24
## m_community 25	0	0	0	0	2	0	0	1	0	0	0		25
## m_community 26	0	0	0	0	2	0	0	0	0	0	0		26
## m_community 27	0	0	0	0	1	0	0	0	0	0	0		27
## m_community 28	0	5	0	0	0	4	1	8	11	1	4		28
## m_community 29	0	14	3	0	0	2	0	5	6	1	0		29
## m_community 30	0	0	0	0	0	1	0	0	0	0	0		30
## m_community 31	0	0	0	0	0	0	1	0	8	0	0		31
## m_community 32	0	0	0	0	0	0	1	0	0	0	0		32
## m_community 33	0	4	0	0	0	0	0	1	2	1	0		33
## m_community 34	0	1	0	0	0	0	0	2	0	0	1		34
## m_community 35	0	0	0	0	0	0	0	1	0	0	0		35
## m_community 36	0	0	0	0	0	0	0	3	0	0	0		36
## m_community 37	0	2	0	0	0	0	0	1	0	0	0		37

```
## m_community 38 0 0 0 0 0 0 0 1 0 0 0 38
## m_community 39 0 0 0 0 0 0 0 0 1 0 0 39
## m_community 40 0 4 0 0 0 0 0 0 1 2 0 40
## m_community 41 0 0 0 0 0 0 0 0 0 1 0 41
## m_community 42 0 0 0 0 0 0 0 0 0 1 0 42
## m_community 43 0 2 0 0 0 0 0 0 0 0 0 43
## m_community 44 0 1 0 0 0 0 0 0 0 0 0 44
```

Calculate the species abundance within Minor Communities generated by hierarchical clustering (hc).

Description

Calculate the species abundance within Minor Communities generated by hierarchical clustering (hc).

Usage

`abundance_hc_m_communities(entity, minx, miny, maxx, maxy, scale, edge)`

Arguments

`entity`: Distribution coordinates and species identity of plant individuals.

`minx`: Minimum x-coordinate of the core area boundary.

`miny`: Minimum y-coordinate of the core area boundary.

`maxx`: Maximum x-coordinate of the core area boundary.

`maxy`: Maximum y-coordinate of the core area boundary.

`scale`: The scale used for hierarchical clustering (hc).

`edge`: The method for filtering Minor Communities based on boundaries.

Options: "inside" or "centroid".

Value

Species abundance within each small community.

Examples

```
entity=M.COMMUNITIES::entity  
M.COMMUNITIES::abundance_hc_m_communities(entity,minx=5,miny=5,maxx=45,maxy=45,scale=5,edge="centroid")
```

##		sp1	sp10	sp14	sp2	sp3	sp4	sp5	sp6	sp7	sp8	sp9	m_community_ID
## m_community 1	1	1	0	0	1	1	0	0	1	0	0	1	1
## m_community 2	1	0	0	0	5	5	0	1	0	0	0	0	2
## m_community 3	2	0	0	0	0	0	0	2	0	1	0	0	3
## m_community 4	1	6	0	0	5	0	0	2	2	1	0	0	4
## m_community 5	1	0	0	0	1	0	0	0	0	0	0	0	5
## m_community 6	2	0	0	0	6	0	0	1	3	0	0	0	6
## m_community 7	1	0	0	1	2	0	0	1	0	0	0	0	7
## m_community 8	1	0	0	0	1	0	2	5	9	0	0	0	8
## m_community 9	4	0	0	0	1	0	0	2	0	0	0	0	9
## m_community 10	1	0	0	0	4	0	0	2	4	0	0	0	10
## m_community 11	1	0	0	0	5	0	0	1	0	0	0	0	11
## m_community 12	1	2	1	0	0	2	1	3	2	0	2	0	12
## m_community 13	1	0	0	0	2	0	0	1	0	0	0	0	13
## m_community 14	1	0	0	0	2	1	0	0	0	0	0	0	14
## m_community 15	1	0	0	1	0	0	0	0	0	0	0	0	15
## m_community 16	1	0	3	0	0	0	0	1	3	0	0	0	16
## m_community 17	1	0	0	0	2	0	0	3	7	0	0	0	17
## m_community 18	1	2	0	0	0	0	1	0	0	0	0	0	18
## m_community 19	0	0	0	2	1	0	0	0	0	0	0	0	19
## m_community 20	0	0	0	1	1	0	2	1	0	0	0	0	20
## m_community 21	0	2	0	0	1	0	0	1	0	0	0	0	21
## m_community 22	0	3	0	0	1	1	0	0	0	1	0	0	22
## m_community 23	0	0	0	0	3	0	0	0	2	2	0	0	23
## m_community 24	0	0	0	0	5	0	0	0	0	0	0	0	24
## m_community 25	0	0	0	0	2	0	0	0	0	0	0	0	25
## m_community 26	0	0	0	0	3	16	0	1	0	1	0	0	26
## m_community 27	0	6	0	0	4	0	0	1	0	0	0	0	27
## m_community 28	0	0	0	0	2	0	0	1	3	2	2	0	28
## m_community 29	0	0	0	0	1	0	0	2	1	0	0	0	29
## m_community 30	0	3	0	0	1	3	0	0	0	1	0	0	30
## m_community 31	0	5	0	0	4	0	0	5	6	1	4	0	31
## m_community 32	0	1	0	0	4	0	0	6	16	0	3	0	32
## m_community 33	0	1	0	0	5	0	0	3	9	0	0	0	33
## m_community 34	0	2	0	0	2	0	0	0	0	1	0	0	34
## m_community 35	0	0	0	0	6	0	0	9	15	0	1	0	35
## m_community 36	0	0	0	0	11	0	0	0	1	1	0	0	36
## m_community 37	0	0	0	0	3	0	0	6	0	0	1	0	37

## m_community 38	0	0	0	0	8	0	0	5	3	0	0	38
## m_community 39	0	0	0	0	1	1	0	5	0	0	0	39
## m_community 40	0	0	0	0	1	0	0	4	0	0	2	40
## m_community 41	0	0	0	0	4	2	0	8	4	1	0	41
## m_community 42	0	0	0	0	1	0	0	5	5	0	0	42
## m_community 43	0	0	0	0	4	0	0	0	3	0	0	43
## m_community 44	0	0	0	0	4	0	0	2	6	0	0	44
## m_community 45	0	0	0	0	1	0	0	3	0	0	0	45
## m_community 46	0	0	0	0	3	0	0	2	0	0	0	46
## m_community 47	0	1	0	0	0	1	0	3	5	0	0	47
## m_community 48	0	3	0	0	0	2	1	2	2	0	0	48
## m_community 49	0	3	3	0	0	2	0	3	1	0	0	49
## m_community 50	0	3	0	0	0	1	0	1	0	0	1	50
## m_community 51	0	2	0	0	0	1	0	0	0	0	0	51
## m_community 52	0	0	0	0	0	0	2	0	15	0	0	52
## m_community 53	0	0	0	0	0	0	1	0	8	0	0	53
## m_community 54	0	1	0	0	0	0	0	1	0	0	0	54
## m_community 55	0	0	0	0	0	0	0	1	4	1	0	55
## m_community 56	0	1	0	0	0	0	0	1	1	0	3	56
## m_community 57	0	4	0	0	0	0	0	1	1	1	0	57
## m_community 58	0	8	0	0	0	0	0	2	4	1	0	58
## m_community 59	0	1	0	0	0	0	0	2	0	0	1	59
## m_community 60	0	0	0	0	0	0	0	5	0	1	1	60
## m_community 61	0	2	0	0	0	0	0	1	0	0	0	61
## m_community 62	0	0	0	0	0	0	0	6	4	0	0	62
## m_community 63	0	2	0	0	0	0	0	0	1	0	0	63
## m_community 64	0	4	0	0	0	0	0	0	1	2	0	64
## m_community 65	0	3	0	0	0	0	0	0	1	0	0	65
## m_community 66	0	0	0	0	0	0	0	0	0	1	0	66

Calculating the Centroids of Minor Communities Generated by HC Clustering

Description

Calculate the centroids of Minor Communities generated by HC clustering.

Usage

`centroid_hc_m_community(entity, minx, miny, maxx, maxy, scale, edge)`

Arguments

`entity`: Distribution coordinates and species information of plant individuals

`minx`: Core area boundary, minimum x-value

`miny`: Core area boundary, minimum y-value

`maxx`: Core area boundary, maximum x-value

`maxy`: Core area boundary, maximum y-value

`scale`: Scale parameter for HC clustering

`edge`: Method for filtering Minor Communities based on boundaries, with options “inside” and “centroid”

Value

Centroid coordinates of each small community

Examples

```
entity=M.COMMUNITIES::entity  
M.COMMUNITIES::centroid_hc_m_community(entity,minx=5,miny=5,maxx=45,maxy=45,scale=5,edge="inside")
```

##		sp1	sp10	sp14	sp2	sp3	sp4	sp5	sp6	sp7	sp8	sp9	m_community_ID
## m_community 1	1	1	0	0	1	1	0	0	1	0	0	1	1
## m_community 2	1	0	0	0	5	5	0	1	0	0	0	0	2
## m_community 3	1	3	0	0	0	2	2	1	1	0	0	0	3
## m_community 4	2	0	0	0	0	0	0	2	0	1	0	0	4
## m_community 5	1	0	0	0	6	0	0	2	0	0	0	0	5
## m_community 6	1	6	0	0	5	0	0	2	2	1	0	0	6
## m_community 7	1	0	0	0	1	0	0	0	0	0	0	0	7
## m_community 8	2	0	0	0	6	0	0	1	3	0	0	0	8
## m_community 9	2	0	0	1	8	0	0	2	0	0	0	0	9
## m_community 10	1	0	0	0	5	0	0	0	0	0	0	0	10
## m_community 11	1	0	0	1	2	0	0	1	0	0	0	0	11
## m_community 12	1	0	0	0	1	0	2	5	9	0	0	0	12
## m_community 13	4	0	0	0	1	0	0	2	0	0	0	0	13
## m_community 14	1	0	0	0	4	0	0	2	4	0	0	0	14
## m_community 15	1	0	0	0	5	0	0	1	0	0	0	0	15
## m_community 16	1	2	1	0	0	2	1	3	2	0	2	0	16
## m_community 17	1	0	0	0	2	0	0	1	0	0	0	0	17
## m_community 18	1	0	0	0	2	1	0	0	0	0	0	0	18
## m_community 19	1	0	0	1	0	0	0	0	0	0	0	0	19
## m_community 20	1	0	3	0	0	0	0	1	3	0	0	0	20
## m_community 21	1	0	0	0	2	0	0	3	7	0	0	0	21
## m_community 22	1	2	0	0	0	0	1	0	0	0	0	0	22
## m_community 23	0	0	0	3	4	0	0	0	8	0	0	0	23
## m_community 24	0	0	0	2	1	0	0	0	0	0	0	0	24
## m_community 25	0	0	0	1	1	0	2	1	0	0	0	0	25
## m_community 26	0	2	0	0	1	0	0	1	0	0	0	0	26
## m_community 27	0	3	0	0	1	1	0	0	0	1	0	0	27
## m_community 28	0	0	0	0	3	0	0	0	2	2	0	0	28
## m_community 29	0	0	0	0	5	0	0	0	0	0	0	0	29
## m_community 30	0	0	0	0	2	0	0	0	0	0	0	0	30
## m_community 31	0	0	0	0	3	16	0	1	0	1	0	0	31
## m_community 32	0	6	0	0	4	0	0	1	0	0	0	0	32
## m_community 33	0	0	0	0	2	0	0	1	3	2	2	0	33
## m_community 34	0	0	0	0	1	0	0	2	1	0	0	0	34
## m_community 35	0	3	0	0	1	3	0	0	0	1	0	0	35
## m_community 36	0	5	0	0	4	0	0	5	6	1	4	0	36
## m_community 37	0	1	0	0	4	0	0	6	16	0	3	0	37

m_community	38	0	1	0	0	5	0	0	3	9	0	0		38
m_community	39	0	2	0	0	2	0	0	0	0	1	0		39
m_community	40	0	0	0	0	6	0	0	9	15	0	1		40
m_community	41	0	0	0	0	11	0	0	0	1	1	0		41
m_community	42	0	0	0	0	3	0	0	6	0	0	1		42
m_community	43	0	0	0	0	8	0	0	5	3	0	0		43
m_community	44	0	0	0	0	1	1	0	5	0	0	0		44
m_community	45	0	0	0	0	1	0	0	4	0	0	2		45
m_community	46	0	0	0	0	4	2	0	8	4	1	0		46
m_community	47	0	0	0	0	1	0	0	5	5	0	0		47
m_community	48	0	0	0	0	4	0	0	0	3	0	0		48
m_community	49	0	0	0	0	4	0	0	2	6	0	0		49
m_community	50	0	0	0	0	1	0	0	5	0	0	2		50
m_community	51	0	0	0	0	1	0	0	3	0	0	0		51
m_community	52	0	0	0	0	3	0	0	2	0	0	0		52
m_community	53	0	1	0	0	0	1	0	3	5	0	0		53
m_community	54	0	3	0	0	0	2	1	2	2	0	0		54
m_community	55	0	3	3	0	0	2	0	3	1	0	0		55
m_community	56	0	3	0	0	0	1	0	1	0	0	1		56
m_community	57	0	2	0	0	0	1	0	0	0	0	0		57
m_community	58	0	1	0	0	0	0	1	0	0	0	7		58
m_community	59	0	0	0	0	0	0	2	0	15	0	0		59
m_community	60	0	0	0	0	0	0	1	0	8	0	0		60
m_community	61	0	1	0	0	0	0	0	1	0	0	0		61
m_community	62	0	0	0	0	0	0	0	1	4	1	0		62
m_community	63	0	1	0	0	0	0	0	1	1	0	3		63
m_community	64	0	4	0	0	0	0	0	1	1	1	0		64
m_community	65	0	8	0	0	0	0	0	2	4	1	0		65
m_community	66	0	1	0	0	0	0	0	2	0	0	1		66
m_community	67	0	0	0	0	0	0	0	5	0	1	1		67
m_community	68	0	2	0	0	0	0	0	1	0	0	0		68
m_community	69	0	0	0	0	0	0	0	6	4	0	0		69
m_community	70	0	2	0	0	0	0	0	0	1	0	0		70
m_community	71	0	4	0	0	0	0	0	0	1	2	0		71
m_community	72	0	3	0	0	0	0	0	0	1	0	0		72
m_community	73	0	0	0	0	0	0	0	0	0	1	0		73
centroid_x centroid_y														
m_community	1	37.180000	44.440000											

## m_community 2	34.191667	38.691667
## m_community 3	8.580000	45.850000
## m_community 4	32.120000	22.460000
## m_community 5	26.244444	4.000000
## m_community 6	27.023529	16.294118
## m_community 7	39.650000	8.000000
## m_community 8	37.058333	5.500000
## m_community 9	8.307692	4.400000
## m_community 10	11.716667	3.966667
## m_community 11	7.920000	13.420000
## m_community 12	20.488889	8.872222
## m_community 13	12.057143	7.871429
## m_community 14	15.245455	10.600000
## m_community 15	5.614286	8.335714
## m_community 16	20.871429	25.564286
## m_community 17	10.725000	16.675000
## m_community 18	9.550000	10.875000
## m_community 19	9.400000	22.650000
## m_community 20	23.612500	24.175000
## m_community 21	19.323077	15.992308
## m_community 22	17.175000	24.550000
## m_community 23	33.306667	45.960000
## m_community 24	37.633333	35.133333
## m_community 25	6.140000	18.660000
## m_community 26	24.650000	30.300000
## m_community 27	27.683333	38.866667
## m_community 28	44.142857	42.028571
## m_community 29	33.280000	42.320000
## m_community 30	38.900000	40.400000
## m_community 31	42.419048	37.895238
## m_community 32	43.500000	34.591818
## m_community 33	27.300000	43.520000
## m_community 34	28.525000	24.475000
## m_community 35	21.862500	39.237500
## m_community 36	26.692000	11.896000
## m_community 37	29.526667	8.680000
## m_community 38	32.055556	11.600000
## m_community 39	33.320000	17.540000

## m_community	40	30.764516	5.132258
## m_community	41	35.838462	11.653846
## m_community	42	36.380000	8.200000
## m_community	43	25.456250	7.725000
## m_community	44	39.542857	23.642857
## m_community	45	42.642857	7.107143
## m_community	46	34.426316	6.789474
## m_community	47	22.090909	15.236364
## m_community	48	18.342857	12.057143
## m_community	49	15.683333	6.425000
## m_community	50	22.625000	4.800000
## m_community	51	19.425000	5.200000
## m_community	52	15.160000	17.280000
## m_community	53	6.830000	32.870000
## m_community	54	8.010000	39.690000
## m_community	55	18.308333	29.275000
## m_community	56	11.133333	43.950000
## m_community	57	17.700000	36.400000
## m_community	58	4.200000	44.477778
## m_community	59	15.452941	44.505882
## m_community	60	22.222222	20.167778
## m_community	61	24.900000	41.000000
## m_community	62	9.566667	35.550000
## m_community	63	5.300000	38.016667
## m_community	64	9.857143	30.157143
## m_community	65	19.253333	31.120000
## m_community	66	14.400000	39.900000
## m_community	67	29.900000	17.442857
## m_community	68	42.666667	17.833333
## m_community	69	23.180000	11.640000
## m_community	70	24.600000	36.300000
## m_community	71	10.928571	26.171429
## m_community	72	14.425000	31.075000
## m_community	73	37.000000	29.000000

Calculating the Community-Weighted Mean Functional Trait Values of Minor Communities Generated by DBSCAN Clustering

Description

Calculate the community-weighted mean functional trait values of Minor Communities generated by DBSCAN clustering.

Usage

```
CWM_dbscan_m_communities(entity, traits, minx, miny, maxx, maxy, eps, minPts, edge)
```

Arguments

entity: Distribution coordinates and species information of plant individuals

traits: Functional traits of species

minx: Core area boundary, minimum x-value

miny: Core area boundary, minimum y-value

maxx: Core area boundary, maximum x-value

maxy: Core area boundary, maximum y-value

eps: eps parameter for DBSCAN clustering

minPts: minPts parameter for DBSCAN clustering

edge: Method for filtering Minor Communities based on boundaries, with options “inside” and “centroid”

Value

Community-weighted mean functional trait values of Minor Communities

Examples

```
entity=M.COMMUNITIES::entity  
traits=M.COMMUNITIES::traits  
M.COMMUNITIES::CWM_dbscan_m_communities(entity, traits, minx=5, miny=5, maxx=45, maxy=45, eps=2, minPts=1, edge="centroid")
```

##		leaflength	leafwide	leafthick	LA	SLA
## m_community 1	-0.852675289	-0.71860071	-0.09052585	-0.664167877	-0.64365013	
## m_community 2	-0.188221175	0.22776241	-0.23450888	0.349765770	-0.28839373	
## m_community 3	-0.222681273	-0.01468217	0.03124072	-0.303559578	-0.48906517	
## m_community 4	-0.228156869	0.02041126	-0.37703152	-0.089331959	-0.23351150	
## m_community 5	-0.767256902	-1.04424413	0.43941836	-0.808722080	-1.13916558	
## m_community 6	0.362610227	0.32014037	0.02106040	0.348965118	0.31463192	
## m_community 7	0.705527337	-1.17075484	1.58103311	-0.819369655	-1.62366638	
## m_community 8	-0.554974882	-1.17054196	1.00894876	-0.858957414	-1.50929665	
## m_community 9	0.705527337	-1.17075484	1.58103311	-0.819369655	-1.62366638	
## m_community 10	-1.815477101	-1.17032908	0.43686441	-0.898545172	-1.39492691	
## m_community 11	-1.815477101	-1.17032908	0.43686441	-0.898545172	-1.39492691	
## m_community 12	-0.484193822	-0.44494528	-0.14415876	-0.351266219	-0.37793062	
## m_community 13	-1.017763141	-0.16681940	-0.10304019	-0.450474773	-0.62142282	
## m_community 14	-0.469638039	-0.30178443	-0.44271528	-0.414488459	-0.38995761	
## m_community 15	0.103379224	0.25702187	-0.52050715	0.297186267	0.04610001	
## m_community 16	-0.441097290	0.01263725	-0.22282035	-0.094339697	-0.26226577	
## m_community 17	0.086992206	0.48739908	-0.30756035	0.817920381	-0.10766803	
## m_community 18	-1.652794826	-1.16266545	0.13652013	-0.895000000	-1.23804728	
## m_community 19	-0.417996407	-0.39001835	-0.47689732	-0.464347089	-0.08770793	
## m_community 20	-0.505293591	-0.46442368	-0.41411106	-0.473357615	-0.46739174	
## m_community 21	-1.652794826	-1.16266545	0.13652013	-0.895000000	-1.23804728	
## m_community 22	-0.565891718	0.04829441	-0.44539692	-0.335530999	-0.17713047	
## m_community 23	-1.652794826	-1.16266545	0.13652013	-0.895000000	-1.23804728	
## m_community 24	-0.936422004	-0.16298759	-0.25321233	-0.448702187	-0.54298301	
## m_community 25	-1.175212945	-0.49621354	-0.12330151	-0.597468124	-0.77467110	
## m_community 26	-1.652794826	-1.16266545	0.13652013	-0.895000000	-1.23804728	
## m_community 27	-1.652794826	-1.16266545	0.13652013	-0.895000000	-1.23804728	
## m_community 28	0.465466053	0.76487505	-0.62538265	0.784287916	0.37199788	
## m_community 29	0.267574134	0.27630455	-0.35932475	0.293750034	0.19966584	
## m_community 30	-0.170673684	-0.31753745	-0.63221822	-0.442315249	0.22536285	
## m_community 31	1.405061117	1.61935024	-0.60997049	2.320818371	0.60639784	
## m_community 32	0.765748320	0.27660670	-0.57500978	0.194240149	0.56062585	
## m_community 33	0.438635650	0.47958644	-0.62283246	0.544512325	0.14276335	
## m_community 34	-0.084980083	0.41205070	-0.63668763	-0.033642688	0.24849715	
## m_community 35	-0.220049182	0.83669027	-0.64294480	-0.002404374	0.15208127	
## m_community 36	-0.220049182	0.83669027	-0.64294480	-0.002404374	0.15208127	
## m_community 37	-0.075252444	-0.01482409	-0.63579374	-0.254317946	-0.10726106	

## m_community	38	-0.220049182	0.83669027	-0.64294480	-0.002404374	0.15208127
## m_community	39	1.484975217	1.78719318	-0.61434058	2.586640649	0.61211934
## m_community	40	0.430679916	0.34296400	-0.61536216	0.354026133	0.15591742
## m_community	41	0.770600247	1.18793995	-0.58216084	0.706320605	0.71351574
## m_community	42	0.770600247	1.18793995	-0.58216084	0.706320605	0.71351574
## m_community	43	-0.002854075	-0.44058127	-0.63221822	-0.380274732	-0.23693222
## m_community	44	-0.002854075	-0.44058127	-0.63221822	-0.380274732	-0.23693222
##		LDMC	C	N	P	K
## m_community	1	0.51081063	0.64346255	-0.459993142	-0.301034980	-0.214151032
## m_community	2	0.25957177	0.48344307	-0.556773210	-0.375296817	-0.500804487
## m_community	3	0.35381447	0.41800156	-0.553967467	-0.255837560	-0.462432452
## m_community	4	0.15641688	0.12702583	-0.008160129	-0.298058920	-0.347519754
## m_community	5	0.18136273	1.21115234	-0.774288497	-0.392693916	-0.653204889
## m_community	6	-0.02591490	-0.27094285	0.233089421	0.120272947	-0.047797559
## m_community	7	-0.83626522	1.04210709	-1.333683243	-0.557694311	-1.064380999
## m_community	8	0.20149566	1.07566309	-1.307340218	-0.696935755	-1.306258048
## m_community	9	-0.83626522	1.04210709	-1.333683243	-0.557694311	-1.064380999
## m_community	10	1.23925654	1.10921909	-1.280997192	-0.836177199	-1.548135096
## m_community	11	1.23925654	1.10921909	-1.280997192	-0.836177199	-1.548135096
## m_community	12	0.41929732	-0.08775704	-0.232374837	-0.503099645	0.037426217
## m_community	13	1.31612771	0.36375201	-0.816170265	-0.615795058	-1.026902202
## m_community	14	0.30399056	0.07665487	0.225229002	-0.430473712	-0.521632499
## m_community	15	-0.19497955	-0.16275316	0.100691030	-0.205895104	-0.024016125
## m_community	16	-0.66971100	0.69382328	-0.110007237	0.385941948	0.409785002
## m_community	17	-0.51853102	0.47826653	-0.459774629	-0.069247347	-0.068879382
## m_community	18	0.62428713	1.81701363	-0.692952890	-0.377381650	-0.830022845
## m_community	19	0.35472554	-0.27367723	-0.043656805	-0.162609236	0.410627118
## m_community	20	0.14841794	0.14213629	0.307596479	-0.435482397	-0.523912955
## m_community	21	0.62428713	1.81701363	-0.692952890	-0.377381650	-0.830022845
## m_community	22	0.96380149	0.04484528	-0.344120250	-0.323037418	-0.241235577
## m_community	23	0.62428713	1.81701363	-0.692952890	-0.377381650	-0.830022845
## m_community	24	1.00864301	0.71764928	-0.522148114	-0.386397283	-0.667846076
## m_community	25	0.88052438	1.08410406	-0.579083039	-0.383392072	-0.721904999
## m_community	26	0.62428713	1.81701363	-0.692952890	-0.377381650	-0.830022845
## m_community	27	0.62428713	1.81701363	-0.692952890	-0.377381650	-0.830022845
## m_community	28	0.02439050	-0.42753996	-0.086463471	-0.300955009	-0.011259475
## m_community	29	-0.17666093	-0.46710400	0.456107388	-0.068620454	-0.129015611
## m_community	30	0.44492105	-0.87420236	0.019158564	-0.123942188	0.876419155

```

## m_community 31 -0.84480646 -0.54354895 -0.557933083 -0.373597311 -0.007982764
## m_community 32 -0.09317718 -1.63863045 0.522225366 -0.399419864 1.263931404
## m_community 33 -0.50635976 -0.48522098 0.328264221 -0.235635864 -0.086462027
## m_community 34 0.73959389 -0.24586941 0.164894977 -0.371120794 -0.286869482
## m_community 35 1.39299889 -0.38171507 -0.351343338 -0.395412916 -0.505669308
## m_community 36 1.39299889 -0.38171507 -0.351343338 -0.395412916 -0.505669308
## m_community 37 0.19722504 -0.50346471 0.531289633 -0.448171065 -0.418835718
## m_community 38 1.39299889 -0.38171507 -0.351343338 -0.395412916 -0.505669308
## m_community 39 -0.93876012 -0.40666377 -0.692952890 -0.370369491 -0.166972035
## m_community 40 -0.92411799 -0.50325087 0.591906916 0.004280149 0.232933996
## m_community 41 -1.96370914 -0.42936708 0.472938416 1.149265547 1.649592849
## m_community 42 -1.96370914 -0.42936708 0.472938416 1.149265547 1.649592849
## m_community 43 -0.40066189 -0.56433954 0.972606118 -0.474550140 -0.375418922
## m_community 44 -0.40066189 -0.56433954 0.972606118 -0.474550140 -0.375418922
##
## C.N C.P N.P m_community_ID
## m_community 1 0.46687233 0.323586506 -0.152218667 1
## m_community 2 0.48247345 0.384924451 -0.088285399 2
## m_community 3 0.50825113 0.287958811 -0.255002893 3
## m_community 4 -0.02367791 0.216613228 0.441513440 4
## m_community 5 0.98438264 0.653550744 -0.312497497 5
## m_community 6 -0.26768048 -0.197930362 0.081989997 6
## m_community 7 1.61603166 0.918296887 -0.611204583 7
## m_community 8 1.58809789 1.300906533 -0.235769868 8
## m_community 9 1.61603166 0.918296887 -0.611204583 9
## m_community 10 1.56016411 1.683516179 0.139664847 10
## m_community 11 1.56016411 1.683516179 0.139664847 11
## m_community 12 0.17307633 0.493061012 0.558966418 12
## m_community 13 0.76720668 0.910285357 0.159566988 13
## m_community 14 -0.20047060 0.339544233 0.939513082 14
## m_community 15 -0.21363156 0.014642627 0.395338012 15
## m_community 16 0.20924822 -0.289531594 -0.775014362 16
## m_community 17 0.39856328 0.076312027 -0.460060227 17
## m_community 18 1.02670338 0.785880578 -0.240464666 18
## m_community 19 -0.17897800 -0.133896742 0.057407812 19
## m_community 20 -0.22543058 0.368471333 1.048090789 20
## m_community 21 1.02670338 0.785880578 -0.240464666 21
## m_community 22 0.13175087 0.163682193 0.028814737 22
## m_community 23 1.02670338 0.785880578 -0.240464666 23

```

```
## m_community 24 0.50047632 0.461467556 -0.030497768 24
## m_community 25 0.67588534 0.569605230 -0.100486734 25
## m_community 26 1.02670338 0.785880578 -0.240464666 26
## m_community 27 1.02670338 0.785880578 -0.240464666 27
## m_community 28 -0.19029809 0.005592722 0.303253061 28
## m_community 29 -0.52201364 -0.114886064 0.649625798 29
## m_community 30 -0.44819839 -0.405260876 -0.003214644 30
## m_community 31 0.13813170 0.050043846 -0.096766471 31
## m_community 32 -0.94728110 -0.248576355 1.168332745 32
## m_community 33 -0.46150140 -0.022832856 0.749774132 33
## m_community 34 -0.32702045 0.140375638 0.709944538 34
## m_community 35 -0.02575075 0.137054535 0.179469130 35
## m_community 36 -0.02575075 0.137054535 0.179469130 36
## m_community 37 -0.60952860 0.190765451 1.332838998 37
## m_community 38 -0.02575075 0.137054535 0.179469130 38
## m_community 39 0.27380830 0.087371371 -0.254903873 39
## m_community 40 -0.64975367 -0.253147503 0.680580534 40
## m_community 41 -0.60820695 -1.364943766 -1.309564058 41
## m_community 42 -0.60820695 -1.364943766 -1.309564058 42
## m_community 43 -0.90141752 0.217620909 1.909523932 43
## m_community 44 -0.90141752 0.217620909 1.909523932 44
```

Calculating the Community-Weighted Mean Functional Trait Values of Minor Communities Generated by HC Clustering

Description

Calculate the community-weighted mean functional trait values of Minor Communities generated by HC clustering.

Usage

CWM_hc_m_communities(entity, traits, minx, miny, maxx, maxy, scale, edge)

Arguments

entity: Distribution coordinates and species information of plant individuals

traits: Functional traits of species

minx: Core area boundary, minimum x-value

miny: Core area boundary, minimum y-value

maxx: Core area boundary, maximum x-value

maxy: Core area boundary, maximum y-value

scale: scale parameter for HC clustering

edge: Method for filtering Minor Communities based on boundaries, with options “inside” and “centroid”

Value

Community-weighted mean functional trait values of Minor Communities

Examples

```
entity=M.COMMUNITIES::entity
traits=M.COMMUNITIES::traits
M.COMMUNITIES::CWM_hc_m_communities(entity, traits, minx=5, miny=5, maxx=45, maxy=45, scale=5, edge="inside")
```

##		leaflength	leafwide	leafthick	LA	SLA
## m_community 1	-0.57595233	-0.45033111	0.17656603	-0.47296129	-0.6355602022	
## m_community 2	-0.71932203	-0.64458992	-0.12836684	-0.62569586	-0.5445839393	
## m_community 3	0.31520404	0.00495233	-0.39873629	0.01278922	0.0001714968	
## m_community 4	0.34831131	0.10396216	0.25880316	-0.18744549	-0.4459308970	
## m_community 5	-1.07237111	-0.71926300	0.12380714	-0.68824204	-0.9719763926	
## m_community 6	-0.25147758	-0.18775664	-0.27214160	-0.10007205	-0.4113870103	
## m_community 7	-0.47363374	-1.16671015	0.85877662	-0.85718483	-1.4308568318	
## m_community 8	-0.35590315	-0.25993605	0.12460171	0.06239819	-0.7239314309	
## m_community 9	-1.08206765	-0.85690630	0.26193862	-0.74631486	-1.0955750299	
## m_community 10	-1.25974113	-1.16401368	0.37727229	-0.88239494	-1.3023171320	
## m_community 11	-0.92711772	-0.76594491	0.32959860	-0.70206384	-1.0685213170	
## m_community 12	0.71382001	1.02711017	-0.45423642	1.21899192	0.2516121355	
## m_community 13	0.10417374	-0.59604347	0.73925185	-0.59675534	-1.0612214668	
## m_community 14	-0.03689541	0.27279424	-0.14692166	0.54021674	-0.3475650561	
## m_community 15	-1.11121371	-0.87819883	0.23152699	-0.75668200	-1.0945459317	
## m_community 16	0.26228949	0.30449380	-0.27032379	0.22121280	0.2679235180	
## m_community 17	-0.70502787	-0.66484887	0.30278214	-0.65294351	-0.9869199188	
## m_community 18	-0.69268400	-0.95340580	0.30546379	-0.76292123	-0.9685995239	
## m_community 19	-0.55497488	-1.17054196	1.00894876	-0.85895741	-1.5092966457	
## m_community 20	0.62953759	0.53770229	0.69430237	0.75484163	0.5342626578	
## m_community 21	0.54881667	0.88648749	-0.33654962	1.19153091	0.0493321716	
## m_community 22	0.36639188	-0.44382767	-0.06460328	-0.34641974	-0.3842262430	
## m_community 23	-0.01185392	0.40905976	-0.20387006	0.96116598	-0.2826676769	
## m_community 24	-1.76124968	-1.16777454	0.33674965	-0.89736345	-1.3426337005	
## m_community 25	-0.43136489	-0.18861817	-0.24391596	-0.28149385	-0.2719282423	
## m_community 26	-0.46963804	-0.30178443	-0.44271528	-0.41448846	-0.3899576143	
## m_community 27	-0.17690508	-0.26900113	-0.49575226	-0.29530314	-0.1683275605	
## m_community 28	-0.06389051	0.35175284	-0.28334892	0.55727464	-0.1518388136	
## m_community 29	-1.65279483	-1.16266545	0.13652013	-0.89500000	-1.2380472821	
## m_community 30	-1.65279483	-1.16266545	0.13652013	-0.89500000	-1.2380472821	
## m_community 31	-0.33993392	-0.31161740	-0.52052556	-0.43133942	0.0360600363	
## m_community 32	-0.62257754	-0.58704174	-0.35365214	-0.53309571	-0.5656091995	
## m_community 33	0.26765515	0.70796259	-0.46345333	0.78811842	0.2792892779	
## m_community 34	-0.15197949	0.57447707	-0.44092751	0.42170798	-0.0804413509	
## m_community 35	-0.17534723	-0.28113521	-0.52986875	-0.33205617	-0.0699049579	
## m_community 36	0.09467538	0.43610386	-0.50450039	0.46939279	0.1086728417	
## m_community 37	0.53781238	0.99234000	-0.52197279	1.27210292	0.2765850185	

```
## m_community 38 0.24654451 0.68560561 -0.41152873 1.02318211 -0.0256583767
## m_community 39 -0.50813951 -0.40371070 -0.31471140 -0.36884577 -0.4472886544
## m_community 40 0.33807899 0.89604906 -0.47777851 1.08575752 0.1306127775
## m_community 41 -1.22501289 -0.75493745 0.02347846 -0.50400298 -0.9456065406
## m_community 42 -0.61756475 0.19475488 -0.40767511 -0.24489135 -0.1874895932
## m_community 43 -0.61672993 0.01523171 -0.24784904 0.03674376 -0.4567258682
## m_community 44 -0.41767349 0.38617835 -0.53006030 -0.19276245 -0.0360397258
## m_community 45 -0.33241819 0.43070039 -0.52750635 -0.05765601 0.1748277691
## m_community 46 -0.10539047 0.51286832 -0.46849671 0.34573777 -0.0064642198
## m_community 47 0.42471230 1.08697744 -0.55908243 1.09328922 0.2348141599
## m_community 48 -0.30803624 0.10155968 -0.18527732 0.59713171 -0.4451187306
## m_community 49 0.15488114 0.64548982 -0.36882105 0.99458626 -0.0812758800
## m_community 50 -0.31837207 0.48144912 -0.54193615 -0.05074955 0.1719844567
## m_community 51 -0.57823559 0.33685134 -0.44807857 -0.22555328 -0.1954508678
## m_community 52 -1.07969657 -0.36292316 -0.17526584 -0.53796175 -0.6819958611
## m_community 53 0.65912008 1.06879180 -0.62649737 1.21034001 0.3505271128
## m_community 54 0.29456908 0.35675549 -0.62506716 0.33372580 0.1828956103
## m_community 55 0.04756792 0.13454572 0.06292386 -0.02878683 0.3931350451
## m_community 56 -0.04937550 -0.06453124 -0.63341006 -0.22250518 0.0989009574
## m_community 57 -0.05879394 -0.39956666 -0.63221822 -0.40095490 -0.0828338651
## m_community 58 0.16490211 0.30487225 -0.62308076 0.17417272 0.7567779641
## m_community 59 1.40036029 1.60947713 -0.60971343 2.30518177 0.6060612811
## m_community 60 1.40506112 1.61935024 -0.60997049 2.32081837 0.6063978398
## m_community 61 -0.11145163 0.19805450 -0.63758151 -0.19133955 -0.0424254762
## m_community 62 1.08174199 1.52890049 -0.61374466 1.84174647 0.5523457266
## m_community 63 0.26186138 0.57158547 -0.62923861 0.49258329 0.5512572103
## m_community 64 0.28915857 0.29278547 -0.62404558 0.25277971 0.0757124935
## m_community 65 0.41650468 0.43236287 -0.62554390 0.53372511 0.1047131899
## m_community 66 -0.08498008 0.41205070 -0.63668763 -0.03364269 0.2484971525
## m_community 67 -0.03237336 0.82668498 -0.63221822 0.13497307 0.3429543402
## m_community 68 -0.07525244 -0.01482409 -0.63579374 -0.25431795 -0.1072610584
## m_community 69 0.46196058 1.21689144 -0.63150311 1.03321364 0.3360964974
## m_community 70 0.49308902 0.30201021 -0.62625900 0.60869706 0.0460849642
## m_community 71 0.43067992 0.34296400 -0.61536216 0.35402613 0.1559174174
## m_community 72 0.36910325 0.11636234 -0.62774881 0.36145411 -0.0246693326
## m_community 73 0.77060025 1.18793995 -0.58216084 0.70632060 0.7135157374
##
## LDMC C N P K
## m_community 1 0.598663402 0.78618335 -0.65386324 -0.477154656 -0.741785727
```

```
## m_community 2 0.491897880 0.44787070 -0.42116652 -0.288310535 -0.111505730
## m_community 3 -0.088052438 -0.64649560 0.16226067 -0.379385124 0.141742201
## m_community 4 -0.170048359 0.17828339 -0.57942295 -0.151389782 -0.298101553
## m_community 5 0.632828370 1.24230653 -0.68823192 -0.401423338 -0.783984076
## m_community 6 -0.069060736 0.27853019 -0.03402735 -0.333776628 -0.421335211
## m_community 7 -0.105989046 1.42956036 -1.01331807 -0.467537981 -0.947201922
## m_community 8 0.054159238 0.94871580 -0.77127382 -0.407183326 -0.676290373
## m_community 9 0.565155454 1.30508555 -0.78420565 -0.443188066 -0.871416805
## m_community 10 0.380861737 1.68786254 -0.79974128 -0.407433761 -0.869082537
## m_community 11 0.608912893 1.08072767 -0.87038591 -0.508809546 -0.955646219
## m_community 12 -0.104565506 -0.33259386 -0.49863767 -0.391350316 -0.188757550
## m_community 13 0.009317718 0.74600169 -0.96148179 -0.485569247 -0.871269351
## m_community 14 0.062894599 0.53818876 -0.68909028 -0.394502246 -0.551245376
## m_community 15 0.525452758 1.39220860 -0.73568443 -0.405716497 -0.817166361
## m_community 16 0.183192998 -0.34008639 0.10619980 -0.136750111 0.020752449
## m_community 17 0.451326981 1.07360482 -0.76773309 -0.426967632 -0.807523999
## m_community 18 0.214307522 0.95048300 -0.67510761 -0.359099950 -0.462001883
## m_community 19 0.201495659 1.07566309 -1.30734022 -0.696935755 -1.306258048
## m_community 20 -0.298166986 -0.07659250 0.27026708 0.718769069 -0.085854732
## m_community 21 -0.152308857 0.05264175 -0.66340687 -0.391637139 -0.416172220
## m_community 22 -0.432691545 -0.43130061 0.28343859 -0.476553614 -0.137821860
## m_community 23 -0.086344190 0.48949344 -0.81056175 -0.465400942 -0.620018196
## m_community 24 1.034266734 1.34515060 -1.08498242 -0.683245350 -1.308764346
## m_community 25 0.614037638 -0.14654865 -0.25616854 -0.481562299 -0.071192888
## m_community 26 0.303990560 0.07665487 0.22522900 -0.430473712 -0.521632499
## m_community 27 -0.349414437 -0.19659574 0.45282707 -0.129284785 0.094955399
## m_community 28 -0.561725305 0.53985417 -0.35984109 0.060806737 0.067881870
## m_community 29 0.624287128 1.81701363 -0.69295289 -0.377381650 -0.830022845
## m_community 30 0.624287128 1.81701363 -0.69295289 -0.377381650 -0.830022845
## m_community 31 0.400994664 -0.44510852 -0.07860603 -0.112446063 0.603645785
## m_community 32 0.135106916 0.31820930 0.24658926 -0.432021851 -0.552570384
## m_community 33 -0.295604614 0.18621708 -0.20909100 -0.040096800 0.111111382
## m_community 34 0.617881197 0.16172993 -0.52214811 -0.384644244 -0.502083374
## m_community 35 -0.150830565 -0.36599739 0.34440995 -0.127949136 0.290321338
## m_community 36 0.086188895 0.04182400 -0.07166539 -0.312348884 -0.244826138
## m_community 37 -0.094885432 -0.03534399 -0.46085101 -0.364659590 -0.289441329
## m_community 38 -0.086059482 0.20642275 -0.54348691 -0.382279031 -0.419182744
## m_community 39 -0.303291732 0.41519622 0.20644897 -0.110919607 -0.152258137
```

```

## m_community 40 0.089495182 0.05519296 -0.55885291 -0.374117927 -0.380531024
## m_community 41 0.304976088 1.47316301 -0.60326894 -0.259407854 -0.588279267
## m_community 42 1.080389440 0.35050425 -0.37972582 -0.372372965 -0.528480477
## m_community 43 0.571438194 0.71297140 -0.58619990 -0.381701641 -0.604340338
## m_community 44 1.147743232 -0.13796630 -0.34721586 -0.354055489 -0.354564319
## m_community 45 1.048908863 0.13981963 -0.18842933 -0.342463960 -0.339162979
## m_community 46 0.463801690 0.02157406 -0.41279549 -0.276469828 -0.243731728
## m_community 47 0.263225543 -0.19317096 -0.53767582 -0.382390335 -0.381202687
## m_community 48 -0.045590265 0.86400903 -0.69295289 -0.374376439 -0.545858212
## m_community 49 -0.029117870 0.33872015 -0.63601796 -0.376880782 -0.444438517
## m_community 50 1.091920116 0.07462779 -0.20879358 -0.349082580 -0.359976270
## m_community 51 1.200820949 0.16796711 -0.43674573 -0.390905100 -0.586757692
## m_community 52 0.931771833 0.93752215 -0.55630907 -0.384594157 -0.700281430
## m_community 53 -0.047054478 -0.46170059 -0.35270298 -0.363657853 -0.185086787
## m_community 54 0.050315679 -0.66568114 0.13897684 -0.360251948 0.054523026
## m_community 55 0.233525316 -0.42053109 0.59459787 0.382185435 0.027227511
## m_community 56 0.201495659 -0.43410733 0.49588234 -0.360352121 -0.086037885
## m_community 57 -0.118800909 -0.66762714 0.65479027 -0.357680823 0.041860437
## m_community 58 0.390826519 0.02300824 0.46916164 -0.267524492 0.284829974
## m_community 59 -0.839279776 -0.55160102 -0.54999074 -0.373787182 0.001369546
## m_community 60 -0.844806462 -0.54354895 -0.55793308 -0.373597311 -0.007982764
## m_community 61 0.496168501 -0.47302730 0.31063139 -0.434981528 -0.440544115
## m_community 62 -0.720958455 -0.40628954 -0.44170275 -0.121270889 0.079339233
## m_community 63 0.295449319 -0.05330705 0.18288188 -0.316275693 -0.055036905
## m_community 64 -0.444588274 -0.49644344 0.47415238 -0.216388203 -0.074960598
## m_community 65 -0.409203130 -0.48894457 0.31861928 -0.327962625 -0.202199019
## m_community 66 0.739593892 -0.24586941 0.16489498 -0.371120794 -0.286869482
## m_community 67 0.796332141 -0.28480720 -0.12773112 -0.149558034 -0.091353440
## m_community 68 0.197225038 -0.50346471 0.53128963 -0.448171065 -0.418835718
## m_community 69 0.460295285 -0.39169455 -0.48798716 -0.385395546 -0.370190399
## m_community 70 -0.580027966 -0.51178095 0.41741978 -0.439823257 -0.305936627
## m_community 71 -0.924117993 -0.50325087 0.59190692 0.004280149 0.232933996
## m_community 72 -0.535186446 -0.52492059 0.55621637 -0.448504978 -0.323307201
## m_community 73 -1.963709137 -0.42936708 0.47293842 1.149265547 1.649592849
##
## C.N C.P N.P m_community_ID
## m_community 1 0.764397123 0.718904150 0.007756138 1
## m_community 2 0.373567156 0.246537494 -0.137511000 2
## m_community 3 -0.363112232 0.048791106 0.737216867 3

```


## m_community 4	0.514470975	0.149151815	-0.434606993	4
## m_community 5	0.858305605	0.656409936	-0.188339369	5
## m_community 6	0.072291270	0.308078428	0.481363655	6
## m_community 7	1.321367520	0.852088733	-0.425834625	7
## m_community 8	0.848996480	0.579253824	-0.270869971	8
## m_community 9	0.996488691	0.775481819	-0.203655645	9
## m_community 10	1.124924760	0.807949963	-0.302254652	10
## m_community 11	1.040770357	0.862125751	-0.154599988	11
## m_community 12	0.171316323	0.148813320	0.004900391	12
## m_community 13	1.062761217	0.676168171	-0.332334963	13
## m_community 14	0.615143353	0.425946705	-0.203067316	14
## m_community 15	0.960542545	0.712107759	-0.233436969	15
## m_community 16	-0.247223746	-0.061488568	0.285144537	16
## m_community 17	0.910921918	0.656778144	-0.228166196	17
## m_community 18	0.805310008	0.521199292	-0.273837140	18
## m_community 19	1.588097886	1.300906533	-0.235769868	19
## m_community 20	-0.145045508	-0.540591321	-0.730413931	20
## m_community 21	0.423757252	0.270217019	-0.179850280	21
## m_community 22	-0.283521121	0.276240588	1.094044007	22
## m_community 23	0.731851484	0.592869454	-0.172139674	23
## m_community 24	1.382343869	1.384304312	0.012955009	24
## m_community 25	0.133310911	0.421859716	0.483066960	25
## m_community 26	-0.200470603	0.339544233	0.939513082	26
## m_community 27	-0.455659087	-0.055243556	0.695888071	27
## m_community 28	0.344473263	-0.028214722	-0.550047123	28
## m_community 29	1.026703381	0.785880578	-0.240464666	29
## m_community 30	1.026703381	0.785880578	-0.240464666	30
## m_community 31	-0.225001036	-0.254972453	-0.090615392	31
## m_community 32	-0.120676578	0.416936573	0.970432187	32
## m_community 33	0.092234143	-0.061941258	-0.254266801	33
## m_community 34	0.312252547	0.286840255	-0.034107570	34
## m_community 35	-0.453793912	-0.142747886	0.521112392	35
## m_community 36	-0.036601446	0.174210971	0.357175328	36
## m_community 37	0.212211198	0.193024336	-0.011334468	37
## m_community 38	0.367728991	0.296918319	-0.058251492	38
## m_community 39	-0.071527047	0.128411842	0.405710895	39
## m_community 40	0.312271783	0.236423142	-0.099348644	40
## m_community 41	0.843026041	0.566701074	-0.323813789	41

## m_community	42	0.257044287	0.324974151	0.092673674	42
## m_community	43	0.556643638	0.452151963	-0.111942706	43
## m_community	44	0.064250180	0.152270339	0.093380906	44
## m_community	45	0.030482115	0.210520551	0.231434825	45
## m_community	46	0.183759843	0.127051503	-0.097984972	46
## m_community	47	0.206090104	0.173455464	-0.056148944	47
## m_community	48	0.704034060	0.486519489	-0.246652897	48
## m_community	49	0.474846819	0.328488301	-0.177695303	49
## m_community	50	0.023453008	0.201337299	0.224939113	50
## m_community	51	0.237362785	0.299261045	0.074485681	51
## m_community	52	0.605721730	0.526350161	-0.072491148	52
## m_community	53	-0.005782665	0.066038049	0.117019731	53
## m_community	54	-0.405181533	0.004261643	0.673960577	54
## m_community	55	-0.581346930	-0.441776679	0.113231804	55
## m_community	56	-0.588894082	0.075738160	1.079357041	56
## m_community	57	-0.750344477	0.009993648	1.271944407	57
## m_community	58	-0.481648685	0.050828062	0.786340934	58
## m_community	59	0.130150724	0.047848109	-0.087464270	59
## m_community	60	0.138131700	0.050043846	-0.096766471	60
## m_community	61	-0.463584135	0.177337722	1.044496531	61
## m_community	62	0.076879250	-0.146400625	-0.358285070	62
## m_community	63	-0.286474724	0.108560755	0.591339512	63
## m_community	64	-0.566545641	-0.038576317	0.893299561	64
## m_community	65	-0.451721028	0.066641204	0.887063345	65
## m_community	66	-0.327020452	0.140375638	0.709944538	66
## m_community	67	-0.156017640	-0.087128360	0.022728222	67
## m_community	68	-0.609528597	0.190765451	1.332838998	68
## m_community	69	0.094072872	0.117181269	0.005719929	69
## m_community	70	-0.509675582	0.174204397	1.188047997	70
## m_community	71	-0.649753670	-0.253147503	0.680580534	71
## m_community	72	-0.607611067	0.185058525	1.368416981	72
## m_community	73	-0.608206950	-1.364943766	-1.309564058	73

Classifying Minor Communities Based on DBSCAN Clustering

Description

Classify Minor Communities based on DBSCAN clustering.

Usage

```
dbscan_m_community_classification(entity, minx, miny, maxx, maxy, eps, minPts, edge)
```

Arguments

entity: Distribution coordinates and species information of plant individuals

minx: Core area boundary, minimum x-value

miny: Core area boundary, minimum y-value

maxx: Core area boundary, maximum x-value

maxy: Core area boundary, maximum y-value

eps: eps parameter for DBSCAN clustering

minPts: minPts parameter for DBSCAN clustering

edge: Method for filtering Minor Communities based on boundaries, with options “inside” and “centroid”

Value: Classification of Minor Communities

Examples

```
entity=M.COMMUNITIES::entity  
M.COMMUNITIES::dbscan_m_community_classification(entity, minx=5, miny=5, maxx=45, maxy=45, eps=2, minPts=1, edge="centroid")
```

##		x	y	species	m_community_class
## 2		34.70	38.00	sp1	1
## 67		35.00	42.60	sp3	1
## 81		33.60	38.30	sp3	1
## 92		34.40	41.00	sp3	1
## 95		34.60	40.20	sp3	1
## 97		34.60	39.60	sp3	1
## 100		34.40	39.50	sp3	1
## 101		32.70	40.10	sp3	1
## 294		33.00	38.10	sp4	1
## 295		33.00	38.30	sp4	1
## 296		32.90	38.20	sp4	1
## 298		35.40	39.00	sp4	1
## 300		34.90	37.00	sp4	1
## 350		36.50	38.00	sp6	1
## 6		30.80	2.50	sp1	2
## 9		25.20	4.50	sp1	2
## 11		41.00	3.50	sp1	2
## 12		41.10	3.00	sp1	2
## 13		29.20	2.50	sp1	2
## 14		39.20	8.00	sp1	2
## 15		35.60	4.90	sp1	2
## 16		37.30	5.80	sp1	2
## 17		36.60	1.20	sp1	2
## 18		7.80	0.60	sp1	2
## 19		10.00	4.80	sp1	2
## 20		10.20	3.50	sp1	2
## 22		19.30	9.40	sp1	2
## 24		13.60	8.50	sp1	2
## 25		13.70	12.10	sp1	2
## 26		7.40	2.00	sp1	2
## 27		12.10	7.90	sp1	2
## 28		8.90	5.80	sp1	2
## 32		11.60	7.10	sp1	2
## 33		11.40	6.60	sp1	2
## 37		17.50	17.00	sp1	2
## 48		35.60	2.60	sp2	2
## 49		8.80	4.20	sp2	2

##	106	29.00	13.00	sp3	2
##	107	29.00	8.10	sp3	2
##	108	29.10	7.90	sp3	2
##	109	31.10	1.60	sp3	2
##	110	30.60	13.00	sp3	2
##	111	31.50	1.90	sp3	2
##	112	31.40	2.00	sp3	2
##	115	30.90	2.90	sp3	2
##	116	30.90	12.50	sp3	2
##	117	31.00	12.50	sp3	2
##	118	31.10	3.10	sp3	2
##	119	29.50	0.90	sp3	2
##	121	30.50	6.50	sp3	2
##	122	33.00	12.00	sp3	2
##	123	29.70	5.60	sp3	2
##	124	29.50	3.00	sp3	2
##	125	29.70	5.40	sp3	2
##	126	29.80	3.00	sp3	2
##	127	35.00	11.00	sp3	2
##	128	26.40	11.80	sp3	2
##	130	32.00	13.20	sp3	2
##	131	34.40	11.80	sp3	2
##	134	35.00	0.00	sp3	2
##	136	25.70	4.00	sp3	2
##	138	25.80	4.50	sp3	2
##	139	26.60	3.20	sp3	2
##	140	35.90	8.10	sp3	2
##	141	41.50	1.80	sp3	2
##	142	29.10	4.50	sp3	2
##	143	34.90	0.50	sp3	2
##	144	27.70	4.00	sp3	2
##	145	34.80	0.60	sp3	2
##	146	26.90	7.50	sp3	2
##	148	34.50	0.90	sp3	2
##	149	42.50	4.00	sp3	2
##	150	41.00	2.70	sp3	2
##	151	35.50	11.00	sp3	2
##	152	35.50	11.00	sp3	2

##	153	41.00	2.00	sp3	2
##	154	41.60	2.90	sp3	2
##	155	35.60	11.90	sp3	2
##	156	35.60	12.00	sp3	2
##	157	35.60	12.00	sp3	2
##	158	35.60	12.00	sp3	2
##	159	31.80	0.30	sp3	2
##	160	42.90	3.10	sp3	2
##	161	33.60	0.80	sp3	2
##	162	29.30	3.50	sp3	2
##	163	26.30	5.40	sp3	2
##	164	30.40	11.50	sp3	2
##	165	30.40	11.50	sp3	2
##	166	25.60	5.60	sp3	2
##	167	28.50	3.00	sp3	2
##	168	28.70	2.90	sp3	2
##	169	28.70	2.80	sp3	2
##	170	28.30	2.90	sp3	2
##	171	28.60	4.90	sp3	2
##	172	28.40	2.80	sp3	2
##	173	29.20	2.60	sp3	2
##	174	29.20	2.60	sp3	2
##	175	28.20	2.80	sp3	2
##	176	28.50	2.60	sp3	2
##	178	41.40	5.40	sp3	2
##	179	26.20	11.00	sp3	2
##	180	36.90	11.50	sp3	2
##	181	26.50	6.50	sp3	2
##	182	26.20	10.70	sp3	2
##	183	26.10	6.50	sp3	2
##	184	25.30	6.50	sp3	2
##	185	27.80	1.00	sp3	2
##	186	25.30	7.50	sp3	2
##	187	37.00	7.50	sp3	2
##	188	32.90	4.00	sp3	2
##	189	36.90	10.70	sp3	2
##	190	38.40	6.20	sp3	2
##	191	33.10	3.00	sp3	2

##	192	25.10	7.00	sp3	2
##	193	25.10	7.40	sp3	2
##	194	33.10	2.60	sp3	2
##	195	35.80	6.80	sp3	2
##	196	32.70	1.60	sp3	2
##	197	36.50	1.00	sp3	2
##	198	38.90	4.70	sp3	2
##	200	35.10	5.50	sp3	2
##	201	34.90	6.00	sp3	2
##	202	35.20	8.00	sp3	2
##	203	36.40	0.65	sp3	2
##	204	36.80	6.20	sp3	2
##	205	40.10	8.00	sp3	2
##	206	37.10	4.90	sp3	2
##	207	33.70	6.50	sp3	2
##	208	36.20	4.80	sp3	2
##	209	36.00	5.20	sp3	2
##	210	40.90	3.40	sp3	2
##	211	34.70	3.00	sp3	2
##	212	35.60	1.40	sp3	2
##	213	34.50	2.10	sp3	2
##	214	34.60	2.00	sp3	2
##	215	33.30	2.00	sp3	2
##	216	33.20	2.80	sp3	2
##	217	33.20	3.00	sp3	2
##	218	33.70	2.20	sp3	2
##	219	37.30	1.40	sp3	2
##	220	37.30	1.30	sp3	2
##	221	22.50	16.00	sp3	2
##	222	17.60	11.70	sp3	2
##	223	19.50	11.20	sp3	2
##	224	16.90	9.50	sp3	2
##	225	13.60	5.00	sp3	2
##	226	16.30	8.90	sp3	2
##	227	15.90	8.80	sp3	2
##	228	14.60	5.00	sp3	2
##	229	11.40	3.90	sp3	2
##	230	20.50	15.40	sp3	2

##	231	23.00	4.30	sp3	2
##	232	12.00	5.20	sp3	2
##	233	12.10	4.40	sp3	2
##	234	12.00	3.40	sp3	2
##	236	18.80	7.70	sp3	2
##	237	12.60	3.40	sp3	2
##	240	16.80	7.00	sp3	2
##	241	15.40	6.90	sp3	2
##	243	9.30	4.30	sp3	2
##	244	7.40	1.50	sp3	2
##	245	9.30	4.60	sp3	2
##	246	19.80	6.20	sp3	2
##	248	6.90	2.80	sp3	2
##	251	7.00	4.00	sp3	2
##	252	7.00	4.00	sp3	2
##	254	7.00	3.20	sp3	2
##	255	7.90	4.70	sp3	2
##	259	8.10	5.80	sp3	2
##	263	11.60	6.60	sp3	2
##	265	14.60	12.40	sp3	2
##	266	16.40	15.00	sp3	2
##	268	17.50	12.50	sp3	2
##	269	17.40	12.50	sp3	2
##	271	17.40	16.30	sp3	2
##	276	14.90	16.00	sp3	2
##	317	34.70	7.00	sp4	2
##	318	34.40	6.30	sp4	2
##	332	18.20	8.00	sp5	2
##	333	22.50	7.50	sp5	2
##	373	31.40	10.70	sp6	2
##	374	31.40	10.70	sp6	2
##	375	30.80	8.50	sp6	2
##	376	29.80	8.30	sp6	2
##	377	31.00	9.50	sp6	2
##	381	29.50	10.10	sp6	2
##	383	27.40	12.50	sp6	2
##	384	35.20	9.00	sp6	2
##	385	31.20	0.90	sp6	2

## 387	27.70	12.00	sp6	2
## 390	26.50	12.00	sp6	2
## 391	41.50	9.50	sp6	2
## 392	33.10	9.10	sp6	2
## 393	32.60	12.00	sp6	2
## 395	29.30	9.90	sp6	2
## 396	29.10	10.00	sp6	2
## 398	30.10	4.70	sp6	2
## 399	28.00	12.20	sp6	2
## 403	27.60	10.30	sp6	2
## 404	31.50	6.80	sp6	2
## 406	26.20	4.20	sp6	2
## 407	28.80	4.80	sp6	2
## 411	31.20	5.30	sp6	2
## 413	29.30	6.40	sp6	2
## 414	34.80	0.50	sp6	2
## 417	36.20	9.10	sp6	2
## 418	32.40	0.10	sp6	2
## 419	35.20	8.20	sp6	2
## 420	32.20	0.10	sp6	2
## 421	41.40	3.00	sp6	2
## 422	41.90	6.10	sp6	2
## 424	31.60	0.20	sp6	2
## 425	42.10	8.00	sp6	2
## 426	29.10	5.40	sp6	2
## 427	27.00	5.30	sp6	2
## 428	31.80	7.20	sp6	2
## 429	32.10	7.20	sp6	2
## 430	29.30	2.60	sp6	2
## 431	26.00	7.80	sp6	2
## 432	31.90	6.30	sp6	2
## 433	25.30	7.90	sp6	2
## 434	28.20	1.10	sp6	2
## 435	28.40	0.90	sp6	2
## 438	25.50	6.20	sp6	2
## 439	36.60	7.50	sp6	2
## 440	25.30	9.70	sp6	2
## 441	35.00	7.00	sp6	2

##	442	34.90	7.00	sp6	2
##	443	37.00	5.70	sp6	2
##	444	34.30	6.40	sp6	2
##	445	34.20	6.30	sp6	2
##	446	33.60	6.20	sp6	2
##	447	37.00	7.70	sp6	2
##	448	37.60	7.90	sp6	2
##	449	33.90	7.70	sp6	2
##	450	33.70	7.70	sp6	2
##	451	37.40	2.50	sp6	2
##	452	23.90	12.00	sp6	2
##	453	18.40	5.00	sp6	2
##	454	24.40	13.00	sp6	2
##	455	24.40	13.00	sp6	2
##	456	23.60	10.70	sp6	2
##	457	20.50	14.50	sp6	2
##	458	21.80	12.00	sp6	2
##	459	20.20	16.50	sp6	2
##	460	9.90	4.50	sp6	2
##	461	23.10	16.50	sp6	2
##	462	23.10	16.20	sp6	2
##	463	23.30	16.70	sp6	2
##	464	19.30	15.00	sp6	2
##	465	16.50	5.60	sp6	2
##	466	16.90	5.60	sp6	2
##	468	23.10	4.90	sp6	2
##	469	21.40	11.00	sp6	2
##	470	18.90	15.30	sp6	2
##	472	23.60	9.00	sp6	2
##	473	21.90	13.00	sp6	2
##	474	20.00	5.10	sp6	2
##	475	15.20	12.50	sp6	2
##	476	20.50	10.10	sp6	2
##	477	21.00	9.00	sp6	2
##	478	22.40	8.00	sp6	2
##	479	21.70	5.10	sp6	2
##	480	22.40	8.50	sp6	2
##	481	21.00	9.20	sp6	2

## 482	7.90	4.50	sp6	2
## 483	15.10	9.50	sp6	2
## 484	23.80	4.50	sp6	2
## 486	23.40	4.60	sp6	2
## 489	12.50	9.50	sp6	2
## 491	19.50	4.50	sp6	2
## 493	11.60	8.90	sp6	2
## 495	14.00	17.40	sp6	2
## 496	14.10	18.00	sp6	2
## 498	21.40	3.80	sp6	2
## 584	32.50	10.70	sp7	2
## 585	32.50	10.70	sp7	2
## 586	29.00	0.00	sp7	2
## 587	29.30	7.50	sp7	2
## 588	29.30	7.60	sp7	2
## 589	29.20	7.60	sp7	2
## 590	26.60	12.20	sp7	2
## 591	29.10	7.50	sp7	2
## 592	29.10	7.70	sp7	2
## 593	28.60	8.00	sp7	2
## 594	30.10	10.30	sp7	2
## 595	28.50	8.00	sp7	2
## 596	29.50	7.40	sp7	2
## 597	32.00	11.20	sp7	2
## 598	32.00	11.20	sp7	2
## 599	32.00	11.00	sp7	2
## 600	29.80	7.30	sp7	2
## 601	29.80	7.40	sp7	2
## 602	29.90	7.30	sp7	2
## 603	27.20	12.00	sp7	2
## 604	30.70	1.60	sp7	2
## 605	32.70	11.20	sp7	2
## 606	32.70	11.20	sp7	2
## 607	32.60	11.50	sp7	2
## 608	33.00	11.50	sp7	2
## 609	29.60	2.40	sp7	2
## 610	30.10	2.80	sp7	2
## 611	38.70	0.10	sp7	2

##	612	29.40	7.60	sp7	2
##	613	29.90	4.00	sp7	2
##	614	30.10	4.00	sp7	2
##	615	30.20	4.00	sp7	2
##	616	27.10	11.10	sp7	2
##	617	29.40	7.40	sp7	2
##	618	29.40	7.40	sp7	2
##	619	29.30	7.40	sp7	2
##	621	28.40	4.80	sp7	2
##	622	28.40	4.60	sp7	2
##	624	28.90	4.80	sp7	2
##	626	29.30	2.80	sp7	2
##	627	29.20	2.70	sp7	2
##	628	26.10	11.00	sp7	2
##	629	25.90	10.70	sp7	2
##	630	36.90	11.50	sp7	2
##	631	26.40	10.60	sp7	2
##	632	32.30	5.30	sp7	2
##	633	32.40	5.15	sp7	2
##	634	32.50	5.15	sp7	2
##	635	32.60	4.90	sp7	2
##	636	32.50	4.90	sp7	2
##	637	39.00	1.10	sp7	2
##	638	32.10	4.00	sp7	2
##	639	32.10	3.90	sp7	2
##	640	32.00	4.00	sp7	2
##	641	32.00	3.80	sp7	2
##	642	25.20	9.50	sp7	2
##	643	25.10	10.00	sp7	2
##	644	25.40	9.00	sp7	2
##	645	35.10	6.20	sp7	2
##	646	35.00	6.20	sp7	2
##	647	35.00	6.10	sp7	2
##	648	37.10	5.90	sp7	2
##	649	37.30	5.80	sp7	2
##	650	37.00	5.90	sp7	2
##	651	34.00	7.40	sp7	2
##	652	39.10	1.30	sp7	2

## 653	40.00	3.30	sp7	2
## 654	39.80	3.00	sp7	2
## 655	39.80	2.80	sp7	2
## 656	39.00	1.20	sp7	2
## 657	19.50	12.50	sp7	2
## 658	23.60	11.20	sp7	2
## 659	23.40	10.80	sp7	2
## 660	23.90	10.70	sp7	2
## 661	22.00	14.80	sp7	2
## 662	22.10	14.80	sp7	2
## 663	22.20	14.90	sp7	2
## 664	21.40	12.00	sp7	2
## 665	19.00	10.20	sp7	2
## 666	19.00	10.20	sp7	2
## 667	19.00	12.00	sp7	2
## 668	18.80	17.00	sp7	2
## 669	18.80	15.90	sp7	2
## 670	18.50	18.00	sp7	2
## 671	14.60	6.80	sp7	2
## 672	22.00	16.00	sp7	2
## 673	14.40	11.10	sp7	2
## 674	14.40	11.20	sp7	2
## 675	15.70	8.10	sp7	2
## 676	16.00	7.70	sp7	2
## 677	21.50	9.90	sp7	2
## 678	16.50	5.70	sp7	2
## 679	17.90	12.00	sp7	2
## 680	18.90	15.00	sp7	2
## 681	20.30	14.20	sp7	2
## 682	15.70	11.20	sp7	2
## 683	15.50	9.40	sp7	2
## 685	15.40	7.00	sp7	2
## 686	16.20	6.70	sp7	2
## 687	20.80	15.50	sp7	2
## 688	20.80	15.50	sp7	2
## 689	20.80	15.50	sp7	2
## 691	21.10	8.90	sp7	2
## 697	19.70	10.10	sp7	2

## 699	20.30	8.60	sp7	2
## 700	20.50	8.40	sp7	2
## 701	20.70	8.10	sp7	2
## 703	20.90	7.90	sp7	2
## 725	26.80	12.50	sp8	2
## 730	35.40	10.30	sp8	2
## 733	33.70	7.60	sp8	2
## 762	44.10	5.75	sp9	2
## 763	26.00	13.20	sp9	2
## 764	26.00	13.20	sp9	2
## 765	30.00	10.70	sp9	2
## 766	29.45	11.50	sp9	2
## 767	31.00	6.80	sp9	2
## 768	43.40	6.00	sp9	2
## 769	37.90	9.00	sp9	2
## 771	32.20	1.80	sp9	2
## 772	22.30	5.60	sp9	2
## 777	26.00	13.20	sp9	2
## 778	26.00	13.20	sp9	2
## 779	29.45	11.50	sp9	2
## 780	22.30	5.60	sp9	2
## 860	26.00	13.50	sp10	2
## 861	26.00	12.30	sp10	2
## 862	28.80	8.00	sp10	2
## 865	32.10	12.00	sp10	2
## 866	31.40	1.90	sp10	2
## 867	27.00	11.50	sp10	2
## 871	27.20	11.00	sp10	2
## 875	26.00	10.70	sp10	2
## 7	31.50	22.70	sp1	3
## 8	31.60	22.80	sp1	3
## 90	28.90	25.10	sp3	3
## 114	34.20	19.00	sp3	3
## 410	32.00	21.50	sp6	3
## 412	32.20	21.30	sp6	3
## 416	28.50	23.70	sp6	3
## 436	29.70	23.10	sp6	3
## 731	32.80	20.00	sp8	3

## 10	27.40	15.60	sp1	4
## 120	32.90	17.00	sp3	4
## 129	27.10	16.50	sp3	4
## 132	27.00	15.90	sp3	4
## 133	27.00	15.90	sp3	4
## 135	27.10	15.70	sp3	4
## 147	26.50	15.60	sp3	4
## 382	28.80	18.00	sp6	4
## 388	29.70	16.20	sp6	4
## 389	29.80	16.10	sp6	4
## 402	31.10	17.50	sp6	4
## 408	26.90	15.70	sp6	4
## 409	30.70	16.20	sp6	4
## 415	25.90	16.50	sp6	4
## 620	27.20	15.30	sp7	4
## 625	26.90	16.10	sp7	4
## 728	30.40	18.30	sp8	4
## 729	27.50	16.50	sp8	4
## 770	28.80	19.80	sp9	4
## 863	27.50	17.30	sp10	4
## 864	27.10	17.50	sp10	4
## 868	27.10	17.00	sp10	4
## 869	27.40	16.90	sp10	4
## 870	27.40	16.50	sp10	4
## 872	32.30	15.50	sp10	4
## 873	26.40	16.50	sp10	4
## 874	34.40	16.20	sp10	4
## 21	7.20	12.10	sp1	5
## 34	9.50	9.20	sp1	5
## 242	8.80	13.00	sp3	5
## 247	10.40	11.80	sp3	5
## 249	8.50	12.50	sp3	5
## 250	10.10	12.00	sp3	5
## 321	8.20	10.50	sp4	5
## 30	20.90	23.40	sp1	6
## 36	23.80	24.90	sp1	6
## 312	21.70	28.20	sp4	6
## 313	21.70	28.00	sp4	6

## 335	20.80	24.80	sp5	6
## 356	21.70	25.80	sp6	6
## 357	21.70	25.80	sp6	6
## 366	19.30	26.00	sp6	6
## 394	25.80	24.20	sp6	6
## 544	20.50	25.60	sp7	6
## 545	20.50	25.60	sp7	6
## 690	24.80	22.90	sp7	6
## 704	22.30	23.70	sp7	6
## 705	22.80	24.00	sp7	6
## 756	19.80	25.10	sp9	6
## 773	21.40	24.00	sp9	6
## 811	20.00	25.60	sp10	6
## 845	17.30	26.00	sp10	6
## 846	17.80	25.60	sp10	6
## 854	20.80	26.40	sp10	6
## 882	21.40	23.60	sp14	6
## 883	23.50	24.70	sp14	6
## 884	23.60	24.40	sp14	6
## 885	22.30	24.60	sp14	6
## 31	10.60	14.70	sp1	7
## 35	8.70	22.40	sp1	8
## 52	10.10	22.90	sp2	8
## 40	17.60	22.70	sp1	9
## 43	38.00	34.00	sp2	10
## 46	36.20	35.40	sp2	11
## 50	7.00	18.00	sp2	12
## 277	5.50	17.50	sp3	12
## 338	5.10	19.80	sp5	12
## 339	5.10	18.00	sp5	12
## 51	8.50	15.00	sp2	13
## 485	6.60	14.50	sp6	13
## 54	25.10	29.00	sp3	14
## 343	25.30	29.00	sp6	14
## 795	24.10	32.50	sp10	14
## 816	24.10	30.70	sp10	14
## 55	26.60	40.00	sp3	15
## 62	25.30	45.30	sp3	15

## 84	27.20	42.50	sp3	15
## 93	27.70	44.50	sp3	15
## 104	20.40	40.40	sp3	15
## 299	28.50	38.20	sp4	15
## 302	22.30	38.00	sp4	15
## 303	22.30	38.00	sp4	15
## 308	21.20	38.00	sp4	15
## 342	25.40	41.50	sp6	15
## 344	25.40	46.00	sp6	15
## 349	27.50	44.00	sp6	15
## 365	21.40	46.50	sp6	15
## 501	26.60	44.80	sp7	15
## 502	26.50	44.50	sp7	15
## 514	26.00	45.00	sp7	15
## 546	24.50	45.60	sp7	15
## 547	24.90	45.90	sp7	15
## 548	24.40	46.50	sp7	15
## 568	24.00	37.60	sp7	15
## 711	27.10	42.70	sp8	15
## 712	27.10	42.70	sp8	15
## 714	29.00	37.70	sp8	15
## 717	22.10	40.10	sp8	15
## 737	28.60	42.00	sp9	15
## 738	28.70	42.50	sp9	15
## 781	26.50	38.20	sp10	15
## 782	26.50	39.00	sp10	15
## 789	29.00	40.10	sp10	15
## 796	22.50	39.10	sp10	15
## 803	24.50	45.50	sp10	15
## 805	24.60	45.60	sp10	15
## 809	23.20	46.60	sp10	15
## 813	19.70	37.10	sp10	15
## 833	22.90	40.50	sp10	15
## 835	24.40	40.50	sp10	15
## 837	21.20	39.80	sp10	15
## 63	42.00	40.50	sp3	16
## 706	42.50	42.00	sp8	16
## 64	45.10	42.00	sp3	17

## 68	45.30	42.00	sp3	17
## 505	44.50	42.70	sp7	17
## 511	44.80	42.50	sp7	17
## 707	44.80	42.50	sp8	17
## 70	39.00	41.00	sp3	18
## 86	38.80	39.80	sp3	18
## 75	42.50	38.50	sp3	19
## 76	42.00	34.00	sp3	19
## 77	42.00	34.00	sp3	19
## 96	40.40	38.00	sp3	19
## 99	40.60	37.80	sp3	19
## 279	41.60	37.00	sp4	19
## 280	41.80	37.00	sp4	19
## 281	41.80	37.30	sp4	19
## 282	41.90	37.20	sp4	19
## 283	42.30	37.30	sp4	19
## 284	42.40	37.30	sp4	19
## 285	42.50	37.40	sp4	19
## 286	42.50	37.40	sp4	19
## 287	41.70	37.50	sp4	19
## 288	41.40	37.60	sp4	19
## 289	41.90	37.50	sp4	19
## 290	42.20	37.50	sp4	19
## 291	43.90	39.00	sp4	19
## 292	43.80	39.00	sp4	19
## 293	43.70	39.00	sp4	19
## 297	44.00	39.00	sp4	19
## 346	43.80	39.50	sp6	19
## 710	44.10	38.00	sp8	19
## 783	41.00	35.45	sp10	19
## 786	41.30	35.30	sp10	19
## 82	43.70	32.50	sp3	20
## 88	45.20	34.00	sp3	20
## 347	45.00	34.00	sp6	20
## 784	44.40	35.60	sp10	20
## 785	44.00	35.45	sp10	20
## 791	44.90	35.16	sp10	20
## 792	45.00	35.05	sp10	20

## 89	38.70	36.00	sp3	21
## 177	38.00	23.00	sp3	22
## 316	38.20	22.70	sp4	22
## 378	38.20	24.50	sp6	22
## 386	38.10	23.90	sp6	22
## 199	37.00	14.80	sp3	23
## 260	4.70	11.20	sp3	24
## 490	5.50	10.10	sp6	24
## 264	11.20	17.00	sp3	25
## 267	11.00	17.50	sp3	25
## 488	10.10	17.50	sp6	25
## 272	7.20	7.70	sp3	26
## 273	7.10	7.60	sp3	26
## 278	16.40	20.00	sp3	27
## 301	8.50	32.80	sp4	28
## 304	8.20	38.50	sp4	28
## 306	8.20	38.20	sp4	28
## 311	11.10	42.70	sp4	28
## 323	8.40	40.40	sp5	28
## 352	5.70	33.00	sp6	28
## 353	5.80	32.40	sp6	28
## 354	7.50	36.00	sp6	28
## 355	5.60	34.00	sp6	28
## 358	5.90	39.50	sp6	28
## 362	12.90	43.40	sp6	28
## 363	8.30	40.10	sp6	28
## 364	8.20	40.10	sp6	28
## 533	8.60	32.80	sp7	28
## 534	7.70	33.30	sp7	28
## 535	8.60	34.50	sp7	28
## 536	5.30	32.90	sp7	28
## 538	7.30	32.00	sp7	28
## 543	5.70	32.90	sp7	28
## 549	6.50	40.10	sp7	28
## 555	5.20	39.00	sp7	28
## 562	7.20	40.50	sp7	28
## 563	11.30	36.80	sp7	28
## 564	9.00	35.20	sp7	28

## 715	10.00	36.30	sp8	28
## 746	10.10	41.90	sp9	28
## 753	4.40	37.60	sp9	28
## 754	5.00	37.00	sp9	28
## 755	4.90	37.00	sp9	28
## 794	8.10	32.60	sp10	28
## 806	6.40	38.00	sp10	28
## 812	6.50	40.10	sp10	28
## 820	8.90	41.10	sp10	28
## 824	9.70	37.80	sp10	28
## 309	18.90	29.50	sp4	29
## 310	19.20	29.60	sp4	29
## 359	18.00	29.00	sp6	29
## 360	18.40	29.90	sp6	29
## 361	19.40	29.50	sp6	29
## 368	18.80	31.00	sp6	29
## 371	19.10	32.50	sp6	29
## 539	18.70	30.70	sp7	29
## 540	18.70	30.70	sp7	29
## 556	20.10	30.10	sp7	29
## 578	16.40	29.40	sp7	29
## 580	18.90	31.00	sp7	29
## 583	13.80	31.70	sp7	29
## 724	17.60	31.10	sp8	29
## 798	18.80	30.30	sp10	29
## 799	19.00	30.70	sp10	29
## 800	18.90	30.80	sp10	29
## 801	19.70	30.80	sp10	29
## 804	20.60	31.70	sp10	29
## 814	21.30	31.20	sp10	29
## 818	18.10	28.80	sp10	29
## 819	18.40	28.70	sp10	29
## 829	14.70	30.10	sp10	29
## 834	15.30	31.40	sp10	29
## 836	13.90	31.10	sp10	29
## 848	18.80	31.00	sp10	29
## 849	18.80	31.10	sp10	29
## 858	19.80	32.40	sp10	29

## 879	18.10	29.20	sp14	29
## 880	18.20	28.70	sp14	29
## 881	17.80	28.70	sp14	29
## 315	15.90	35.10	sp4	30
## 334	20.20	20.50	sp5	31
## 684	22.50	21.10	sp7	31
## 692	22.20	19.70	sp7	31
## 693	22.40	20.11	sp7	31
## 694	21.20	20.50	sp7	31
## 695	21.20	20.60	sp7	31
## 696	23.60	20.00	sp7	31
## 698	23.20	19.50	sp7	31
## 702	23.50	19.50	sp7	31
## 337	16.00	23.90	sp5	32
## 367	10.50	31.90	sp6	33
## 558	10.70	32.60	sp7	33
## 579	11.00	34.50	sp7	33
## 721	10.40	29.60	sp8	33
## 821	9.50	29.00	sp10	33
## 822	9.80	30.90	sp10	33
## 831	9.00	28.50	sp10	33
## 832	9.10	28.60	sp10	33
## 369	14.20	40.20	sp6	34
## 370	14.10	40.20	sp6	34
## 740	13.30	38.50	sp9	34
## 853	16.00	40.70	sp10	34
## 379	44.10	9.00	sp6	35
## 401	41.50	24.20	sp6	36
## 405	42.00	24.70	sp6	36
## 423	40.80	22.50	sp6	36
## 437	42.10	18.10	sp6	37
## 877	42.20	18.00	sp10	37
## 878	43.70	17.40	sp10	37
## 471	8.00	20.00	sp6	38
## 515	27.00	26.00	sp7	39
## 577	10.90	25.70	sp7	40
## 718	10.90	25.50	sp8	40
## 719	10.90	25.40	sp8	40

##	838	11.00	27.00	sp10	40
##	839	11.00	27.00	sp10	40
##	840	10.90	26.40	sp10	40
##	841	10.90	26.20	sp10	40
##	713	37.00	29.00	sp8	41
##	726	33.30	24.00	sp8	42
##	797	24.90	35.60	sp10	43
##	810	24.90	35.70	sp10	43
##	823	17.50	37.00	sp10	44

Calculating the Mean Pairwise Functional Trait Distance (SES Beta MPD) Between Minor Communities Generated by HC Clustering

Description

Calculate the mean pairwise functional trait distance (SES Beta MPD) between Minor Communities generated by HC clustering.

Usage

```
hc_m_community_Beta_MPD_pair(entity, traits, minx, miny, maxx, maxy, scale, replicate, edge)
```

Arguments

entity Distribution coordinates and species information of plant individuals

traits Functional traits of species

minx Core area boundary, minimum x-value

miny Core area boundary, minimum y-value

maxx Core area boundary, maximum x-value

maxy Core area boundary, maximum y-value

scale scale parameter for HC clustering

replicate Number of null model replications

edge Method for filtering Minor Communities based on boundaries, with options “inside” and “centroid”

Value

SES Beta MPD

Examples

```
entity=M.COMMUNITIES::entity
traits=M.COMMUNITIES::traits
M.COMMUNITIES::hc_m_community_Beta_MPD_pair(entity, traits, minx=5, miny=5, maxx=45, maxy=45, scale=5, replicate=99, edge="inside")
```

```
## Warning: 程序包'picante'是用R版本4.4.3 来建造的
```

```
## 载入需要的程序包: nlme
```

\$SES_Beta_MPD

##	m_community 1	m_community 2	m_community 3	m_community 4
## m_community 1	NA	-0.639	1.342	0.675
## m_community 2	-0.639	NA	0.375	1.000
## m_community 3	1.342	0.375	NA	1.267
## m_community 4	0.675	1.000	1.267	NA
## m_community 5	-1.316	-3.158	2.577	0.970
## m_community 6	0.618	-0.100	0.048	1.433
## m_community 7	-0.732	-0.575	2.340	0.527
## m_community 8	-0.500	-0.762	2.429	1.219
## m_community 9	-1.457	-2.684	3.522	1.276
## m_community 10	-1.452	-2.241	3.333	1.205
## m_community 11	-1.000	-0.935	2.636	0.974
## m_community 12	1.667	1.952	-0.238	1.179
## m_community 13	-0.585	-0.040	2.414	0.167
## m_community 14	0.212	0.000	1.593	1.219
## m_community 15	-1.333	-2.222	2.815	1.118
## m_community 16	1.382	0.789	-1.292	1.250
## m_community 17	-0.920	-1.235	1.857	0.610
## m_community 18	-0.646	-1.688	1.595	0.816
## m_community 19	-0.400	0.757	3.625	1.111
## m_community 20	2.800	4.320	2.593	2.421
## m_community 21	1.200	1.435	0.769	1.032
## m_community 22	1.045	0.933	-1.212	0.937
## m_community 23	1.176	1.522	3.571	2.188
## m_community 24	-1.156	-0.583	3.500	1.800
## m_community 25	0.512	0.179	0.424	1.366
## m_community 26	0.047	-0.735	-1.171	0.773
## m_community 27	1.487	0.174	-1.296	1.526
## m_community 28	1.500	1.556	2.370	1.794
## m_community 29	-1.610	-3.074	3.290	1.500
## m_community 30	-1.103	-2.000	2.174	1.052
## m_community 31	0.581	-3.611	-2.524	1.000
## m_community 32	0.057	-1.136	-0.913	1.500
## m_community 33	1.649	2.000	1.091	1.613
## m_community 34	-0.196	-0.559	-0.143	0.211
## m_community 35	1.289	-0.577	-1.613	1.250
## m_community 36	0.879	0.529	-0.857	1.308

## m_community 37	1.552	1.875	-0.056	1.333
## m_community 38	1.029	1.053	1.045	1.448
## m_community 39	1.025	0.242	0.485	1.703
## m_community 40	1.214	1.188	0.500	1.115
## m_community 41	-0.919	-2.381	3.750	1.967
## m_community 42	-1.057	-2.125	-0.560	-0.030
## m_community 43	-0.759	-1.800	1.609	1.074
## m_community 44	-0.650	-1.897	-1.815	-0.528
## m_community 45	-0.622	-1.407	-1.625	-0.118
## m_community 46	0.414	-0.684	-0.400	0.567
## m_community 47	0.829	0.773	-0.500	0.406
## m_community 48	0.263	-0.292	2.241	1.568
## m_community 49	0.853	0.714	1.591	1.667
## m_community 50	-0.639	-1.667	-1.538	-0.176
## m_community 51	-0.702	-1.667	-0.658	-0.289
## m_community 52	-1.143	-2.241	1.097	0.463
## m_community 53	1.459	1.200	-0.889	0.774
## m_community 54	1.378	0.125	-2.480	1.138
## m_community 55	2.394	1.773	-0.739	2.067
## m_community 56	0.732	-0.519	-2.531	0.853
## m_community 57	0.889	-0.421	-2.500	0.937
## m_community 58	0.595	-0.040	-2.640	1.143
## m_community 59	3.143	4.895	0.435	2.034
## m_community 60	2.923	4.087	0.429	1.703
## m_community 61	0.350	-0.295	-1.620	0.220
## m_community 62	2.405	2.867	0.357	1.205
## m_community 63	0.538	0.115	-1.862	0.514
## m_community 64	2.139	1.500	-1.852	1.237
## m_community 65	1.941	1.900	-2.083	1.303
## m_community 66	0.000	-0.647	-1.690	-0.073
## m_community 67	0.357	-0.333	-1.414	-0.211
## m_community 68	0.510	-0.250	-2.316	0.386
## m_community 69	0.750	0.727	-1.160	0.032
## m_community 70	1.489	0.895	-1.467	0.941
## m_community 71	2.548	2.708	-1.065	1.590
## m_community 72	1.375	1.061	-1.973	1.156
## m_community 73	3.362	3.164	1.145	1.545
##	m_community 5	m_community 6	m_community 7	m_community 8

## m_community 1	-1.316	0.618	-0.732	-0.500
## m_community 2	-3.158	-0.100	-0.575	-0.762
## m_community 3	2.577	0.048	2.340	2.429
## m_community 4	0.970	1.433	0.527	1.219
## m_community 5	NA	0.048	-2.191	-2.214
## m_community 6	0.048	NA	0.833	1.000
## m_community 7	-2.191	0.833	NA	-1.061
## m_community 8	-2.214	1.000	-1.061	NA
## m_community 9	-5.130	0.579	-2.800	-2.280
## m_community 10	-4.171	0.286	-3.143	-2.929
## m_community 11	-2.758	1.036	-1.707	-0.971
## m_community 12	2.667	1.389	2.756	1.522
## m_community 13	-1.419	1.320	-1.580	-0.571
## m_community 14	-0.917	0.818	0.225	-0.600
## m_community 15	-4.129	0.217	-2.500	-2.393
## m_community 16	2.708	0.824	3.361	3.000
## m_community 17	-2.390	0.355	-1.532	-1.361
## m_community 18	-2.250	0.594	-1.155	-0.732
## m_community 19	-1.068	1.822	-1.544	-0.115
## m_community 20	4.645	3.923	3.094	4.407
## m_community 21	1.296	1.263	1.925	0.571
## m_community 22	1.615	0.105	1.094	2.000
## m_community 23	0.478	2.474	0.769	0.000
## m_community 24	-2.868	1.500	-1.614	-0.725
## m_community 25	0.452	1.069	0.983	1.281
## m_community 26	-0.395	-1.029	0.721	0.459
## m_community 27	2.000	-0.040	2.000	2.846
## m_community 28	1.286	2.524	1.551	1.308
## m_community 29	-5.121	0.036	-2.889	-3.067
## m_community 30	-3.109	0.000	-2.288	-1.958
## m_community 31	0.727	-0.125	2.278	2.048
## m_community 32	-0.923	-1.500	0.413	0.480
## m_community 33	2.600	2.158	2.810	2.250
## m_community 34	-0.615	-0.226	0.695	-0.303
## m_community 35	1.621	-0.208	2.146	2.300
## m_community 36	1.409	0.059	2.514	1.545
## m_community 37	2.250	1.063	3.000	1.222
## m_community 38	0.864	1.000	1.806	0.286

## m_community 39	0.412	0.250	0.875	1.147
## m_community 40	1.316	0.875	2.333	0.529
## m_community 41	-4.913	0.684	-2.325	-2.240
## m_community 42	-2.115	-0.913	0.477	-0.708
## m_community 43	-2.870	0.000	-0.452	-1.600
## m_community 44	-1.200	-1.000	1.106	-0.111
## m_community 45	-0.786	-0.826	1.362	0.379
## m_community 46	0.050	0.176	1.775	0.571
## m_community 47	1.280	0.409	2.463	0.680
## m_community 48	-1.303	0.778	-0.292	-1.067
## m_community 49	0.120	0.900	1.122	-0.238
## m_community 50	-0.600	-0.909	1.565	0.407
## m_community 51	-1.457	-0.767	0.508	-0.333
## m_community 52	-2.846	-0.483	-0.945	-1.297
## m_community 53	2.692	0.375	3.045	1.500
## m_community 54	2.133	-0.391	2.688	2.296
## m_community 55	3.500	1.571	3.949	4.200
## m_community 56	1.467	-1.231	2.073	1.969
## m_community 57	1.641	-0.861	1.667	1.762
## m_community 58	2.652	-0.150	3.525	2.643
## m_community 59	5.240	2.632	4.410	2.591
## m_community 60	5.000	2.318	3.911	2.071
## m_community 61	0.479	-1.028	1.265	1.022
## m_community 62	4.207	2.042	3.480	2.393
## m_community 63	1.559	-0.455	2.592	1.962
## m_community 64	3.286	-0.074	2.727	3.143
## m_community 65	3.269	-0.400	3.200	3.000
## m_community 66	0.378	-1.097	1.948	0.925
## m_community 67	1.065	-0.042	2.528	2.000
## m_community 68	0.921	-1.455	1.657	1.350
## m_community 69	1.233	0.045	2.531	0.963
## m_community 70	2.073	-0.500	1.986	1.775
## m_community 71	4.125	0.630	3.592	3.833
## m_community 72	1.927	-0.706	2.222	1.902
## m_community 73	4.707	3.146	2.962	3.833
##	m_community 9	m_community 10	m_community 11	m_community 12
## m_community 1	-1.457	-1.452	-1.000	1.667
## m_community 2	-2.684	-2.241	-0.935	1.952

## m_community 3	3.522	3.333	2.636	-0.238
## m_community 4	1.276	1.205	0.974	1.179
## m_community 5	-5.130	-4.171	-2.758	2.667
## m_community 6	0.579	0.286	1.036	1.389
## m_community 7	-2.800	-3.143	-1.707	2.756
## m_community 8	-2.280	-2.929	-0.971	1.522
## m_community 9	NA	-5.310	-3.032	4.611
## m_community 10	-5.310	NA	-3.158	3.419
## m_community 11	-3.032	-3.158	NA	3.321
## m_community 12	4.611	3.419	3.321	NA
## m_community 13	-1.923	-1.882	-1.229	2.556
## m_community 14	-0.458	-0.531	0.161	-0.476
## m_community 15	-5.292	-5.029	-2.743	3.120
## m_community 16	4.263	3.852	3.000	-0.571
## m_community 17	-2.939	-2.652	-1.571	1.969
## m_community 18	-2.545	-2.489	-1.163	2.636
## m_community 19	-1.636	-1.810	-1.345	3.581
## m_community 20	6.120	4.667	4.444	1.889
## m_community 21	2.550	2.000	1.935	-3.000
## m_community 22	2.088	2.000	1.717	1.367
## m_community 23	0.944	0.233	0.966	0.158
## m_community 24	-3.543	-3.500	-2.383	3.800
## m_community 25	0.778	0.675	0.732	1.467
## m_community 26	0.129	0.116	0.300	0.486
## m_community 27	2.630	2.455	2.351	1.727
## m_community 28	1.917	1.057	1.600	1.077
## m_community 29	-6.760	-5.947	-3.657	3.963
## m_community 30	-3.864	-3.774	-2.067	2.409
## m_community 31	1.833	1.571	1.846	0.333
## m_community 32	-0.636	-0.636	0.212	1.826
## m_community 33	3.773	2.909	3.226	-0.667
## m_community 34	-0.258	0.093	0.310	-1.600
## m_community 35	2.680	2.108	2.257	0.867
## m_community 36	2.579	2.462	2.480	-1.500
## m_community 37	4.125	3.333	3.000	-4.118
## m_community 38	1.714	1.407	1.786	-2.000
## m_community 39	0.889	0.275	1.023	1.969
## m_community 40	2.529	2.375	1.963	-4.200

## m_community 41	-5.947	-4.844	-2.500	4.150
## m_community 42	-1.636	-0.903	-0.758	-1.043
## m_community 43	-3.000	-2.129	-1.069	0.158
## m_community 44	-0.385	0.275	-0.086	-1.724
## m_community 45	0.077	0.824	0.265	-1.680
## m_community 46	1.176	1.161	1.034	-1.895
## m_community 47	2.500	2.469	2.000	-4.100
## m_community 48	-1.269	-1.667	-0.171	0.240
## m_community 49	1.056	0.581	1.161	-1.850
## m_community 50	0.304	1.138	0.417	-1.917
## m_community 51	-1.033	-0.302	-0.383	-1.125
## m_community 52	-3.667	-2.902	-1.881	0.933
## m_community 53	4.500	3.606	2.853	-3.458
## m_community 54	3.360	3.700	2.514	-1.440
## m_community 55	6.105	4.484	4.033	1.304
## m_community 56	2.133	2.459	1.732	-0.379
## m_community 57	2.200	1.980	1.691	0.324
## m_community 58	3.500	3.364	3.032	-0.958
## m_community 59	7.238	6.444	5.233	-6.176
## m_community 60	6.040	5.562	4.486	-4.333
## m_community 61	1.220	1.547	0.814	-0.795
## m_community 62	5.760	4.579	4.353	-2.893
## m_community 63	3.083	2.939	2.389	-1.552
## m_community 64	4.913	3.639	3.216	-0.115
## m_community 65	5.000	4.000	3.333	-1.273
## m_community 66	1.171	1.574	0.827	-1.515
## m_community 67	2.320	2.853	1.649	-2.115
## m_community 68	1.500	1.930	1.115	-0.576
## m_community 69	3.300	3.267	2.182	-4.500
## m_community 70	2.789	2.574	2.417	-0.700
## m_community 71	6.435	4.857	4.162	0.500
## m_community 72	2.914	2.553	2.311	-0.455
## m_community 73	6.170	4.414	3.776	1.431
##	m_community 13	m_community 14	m_community 15	m_community 16
## m_community 1	-0.585	0.212	-1.333	1.382
## m_community 2	-0.040	0.000	-2.222	0.789
## m_community 3	2.414	1.593	2.815	-1.292
## m_community 4	0.167	1.219	1.118	1.250

## m_community 5	-1.419	-0.917	-4.129	2.708
## m_community 6	1.320	0.818	0.217	0.824
## m_community 7	-1.580	0.225	-2.500	3.361
## m_community 8	-0.571	-0.600	-2.393	3.000
## m_community 9	-1.923	-0.458	-5.292	4.263
## m_community 10	-1.882	-0.531	-5.029	3.852
## m_community 11	-1.229	0.161	-2.743	3.000
## m_community 12	2.556	-0.476	3.120	-0.571
## m_community 13	NA	0.556	-1.897	2.500
## m_community 14	0.556	NA	-0.643	1.500
## m_community 15	-1.897	-0.643	NA	3.000
## m_community 16	2.500	1.500	3.000	NA
## m_community 17	-1.190	-0.306	-2.675	1.909
## m_community 18	-0.805	0.056	-2.238	2.194
## m_community 19	-1.412	1.277	-1.347	3.780
## m_community 20	3.600	3.538	4.871	2.148
## m_community 21	1.769	-0.952	2.091	0.261
## m_community 22	1.098	1.595	1.548	-0.103
## m_community 23	1.640	-0.087	0.522	3.611
## m_community 24	-0.800	0.914	-3.211	3.816
## m_community 25	1.500	1.212	0.548	0.897
## m_community 26	0.714	0.297	-0.225	-0.618
## m_community 27	2.645	2.034	2.393	-0.333
## m_community 28	2.375	0.966	1.129	2.400
## m_community 29	-1.710	-0.967	-5.167	4.000
## m_community 30	-1.019	-0.604	-4.022	2.286
## m_community 31	2.682	1.474	1.261	-2.529
## m_community 32	0.900	0.846	-0.677	0.143
## m_community 33	3.370	0.923	2.815	0.571
## m_community 34	0.564	-1.059	-0.311	-0.444
## m_community 35	2.438	1.714	1.903	-1.167
## m_community 36	2.360	0.316	2.200	-1.250
## m_community 37	3.100	-1.235	3.263	-0.933
## m_community 38	1.786	-1.045	1.182	0.722
## m_community 39	1.605	1.515	0.382	1.133
## m_community 40	2.381	-1.529	1.900	-0.375
## m_community 41	-0.769	-0.591	-4.960	4.238
## m_community 42	-0.065	-1.083	-1.654	-1.217

## m_community 43	-0.038	-1.238	-2.625	1.333
## m_community 44	0.211	-1.000	-0.484	-2.480
## m_community 45	0.821	-0.692	-0.034	-2.522
## m_community 46	1.480	-0.667	0.762	-0.947
## m_community 47	1.893	-1.000	1.786	-1.381
## m_community 48	0.514	-0.900	-1.231	2.609
## m_community 49	1.600	-1.182	0.393	0.955
## m_community 50	0.667	-0.643	0.097	-2.292
## m_community 51	-0.085	-0.853	-1.000	-1.030
## m_community 52	-0.765	-0.968	-2.667	1.111
## m_community 53	2.517	-0.346	3.103	-1.727
## m_community 54	2.344	0.880	2.455	-2.174
## m_community 55	3.821	3.125	4.222	-0.522
## m_community 56	1.919	1.286	1.794	-2.207
## m_community 57	1.633	1.474	2.050	-1.444
## m_community 58	3.107	1.542	2.424	-3.381
## m_community 59	4.720	-0.273	5.577	-0.250
## m_community 60	3.576	-0.231	5.800	-0.040
## m_community 61	1.000	0.415	0.902	-1.632
## m_community 62	3.222	0.185	4.667	-0.083
## m_community 63	2.323	0.417	2.290	-2.500
## m_community 64	2.937	1.857	3.700	-1.217
## m_community 65	3.214	1.346	3.483	-1.619
## m_community 66	0.929	0.047	1.000	-2.364
## m_community 67	1.629	0.185	1.750	-2.458
## m_community 68	1.250	0.641	1.182	-2.031
## m_community 69	1.889	-1.217	2.357	-2.182
## m_community 70	2.023	0.711	2.273	-0.842
## m_community 71	3.686	2.567	4.767	-0.444
## m_community 72	2.146	1.025	2.632	-1.059
## m_community 73	3.873	3.107	4.803	1.531
##	m_community 17	m_community 18	m_community 19	m_community 20
## m_community 1	-0.920	-0.646	-0.400	2.800
## m_community 2	-1.235	-1.688	0.757	4.320
## m_community 3	1.857	1.595	3.625	2.593
## m_community 4	0.610	0.816	1.111	2.421
## m_community 5	-2.390	-2.250	-1.068	4.645
## m_community 6	0.355	0.594	1.822	3.923

## m_community 7	-1.532	-1.155	-1.544	3.094
## m_community 8	-1.361	-0.732	-0.115	4.407
## m_community 9	-2.939	-2.545	-1.636	6.120
## m_community 10	-2.652	-2.489	-1.810	4.667
## m_community 11	-1.571	-1.163	-1.345	4.444
## m_community 12	1.969	2.636	3.581	1.889
## m_community 13	-1.190	-0.805	-1.412	3.600
## m_community 14	-0.306	0.056	1.277	3.538
## m_community 15	-2.675	-2.238	-1.347	4.871
## m_community 16	1.909	2.194	3.780	2.148
## m_community 17	NA	-1.396	-0.825	3.342
## m_community 18	-1.396	NA	-0.828	3.357
## m_community 19	-0.825	-0.828	NA	4.062
## m_community 20	3.342	3.357	4.062	NA
## m_community 21	1.061	1.657	2.881	2.269
## m_community 22	1.020	1.152	1.619	2.174
## m_community 23	0.471	1.030	1.432	4.440
## m_community 24	-1.635	-1.377	-2.131	4.551
## m_community 25	0.550	0.600	1.627	3.882
## m_community 26	-0.077	0.173	1.547	2.143
## m_community 27	1.409	1.459	2.923	3.103
## m_community 28	1.143	1.343	2.667	3.452
## m_community 29	-3.023	-2.814	-1.448	5.171
## m_community 30	-2.113	-2.100	-1.141	3.404
## m_community 31	0.833	0.172	3.583	3.000
## m_community 32	-0.368	-0.105	1.690	4.333
## m_community 33	1.944	2.485	3.841	2.586
## m_community 34	-0.341	0.289	1.550	2.000
## m_community 35	1.600	1.095	3.422	2.645
## m_community 36	1.156	1.645	3.487	2.870
## m_community 37	1.679	2.500	4.081	2.238
## m_community 38	0.788	1.437	3.051	2.630
## m_community 39	0.545	0.432	1.636	3.289
## m_community 40	0.935	1.733	4.062	2.545
## m_community 41	-2.625	-2.206	-0.659	5.815
## m_community 42	-1.344	-0.421	1.476	2.893
## m_community 43	-1.581	-0.758	0.974	3.926
## m_community 44	-0.595	-0.049	1.552	1.697

## m_community 45	-0.175	0.500	2.146	2.034
## m_community 46	0.233	0.800	2.738	2.692
## m_community 47	1.028	1.794	2.920	1.593
## m_community 48	-0.650	-0.256	0.925	3.312
## m_community 49	0.297	0.895	2.575	2.885
## m_community 50	-0.128	0.400	2.568	1.758
## m_community 51	-0.849	-0.180	1.283	1.897
## m_community 52	-2.048	-1.468	-0.148	3.077
## m_community 53	1.757	2.594	4.415	1.321
## m_community 54	1.684	1.605	3.739	1.667
## m_community 55	2.939	2.686	4.780	1.897
## m_community 56	1.214	1.000	3.489	1.750
## m_community 57	1.143	0.804	2.012	1.778
## m_community 58	1.650	2.061	3.894	2.040
## m_community 59	3.844	4.152	5.429	1.038
## m_community 60	3.154	3.595	4.957	0.875
## m_community 61	0.484	0.797	1.957	1.288
## m_community 62	3.000	3.140	4.500	1.121
## m_community 63	1.385	1.568	3.094	1.387
## m_community 64	2.528	2.087	3.980	2.219
## m_community 65	2.485	2.417	4.111	2.214
## m_community 66	0.404	0.638	2.441	1.098
## m_community 67	0.946	1.477	3.292	1.444
## m_community 68	0.766	0.780	2.414	1.425
## m_community 69	1.176	1.707	3.667	1.154
## m_community 70	1.558	1.660	2.742	1.122
## m_community 71	3.289	3.128	4.280	2.118
## m_community 72	1.640	1.288	2.817	1.649
## m_community 73	3.378	2.885	3.768	1.508
##	m_community 21	m_community 22	m_community 23	m_community 24
## m_community 1	1.200	1.045	1.176	-1.156
## m_community 2	1.435	0.933	1.522	-0.583
## m_community 3	0.769	-1.212	3.571	3.500
## m_community 4	1.032	0.937	2.188	1.800
## m_community 5	1.296	1.615	0.478	-2.868
## m_community 6	1.263	0.105	2.474	1.500
## m_community 7	1.925	1.094	0.769	-1.614
## m_community 8	0.571	2.000	0.000	-0.725

## m_community 9	2.550	2.088	0.944	-3.543
## m_community 10	2.000	2.000	0.233	-3.500
## m_community 11	1.935	1.717	0.966	-2.383
## m_community 12	-3.000	1.367	0.158	3.800
## m_community 13	1.769	1.098	1.640	-0.800
## m_community 14	-0.952	1.595	-0.087	0.914
## m_community 15	2.091	1.548	0.522	-3.211
## m_community 16	0.261	-0.103	3.611	3.816
## m_community 17	1.061	1.020	0.471	-1.635
## m_community 18	1.657	1.152	1.030	-1.377
## m_community 19	2.881	1.619	1.432	-2.131
## m_community 20	2.269	2.174	4.440	4.551
## m_community 21	NA	1.657	-0.650	3.139
## m_community 22	1.657	NA	2.556	1.949
## m_community 23	-0.650	2.556	NA	0.974
## m_community 24	3.139	1.949	0.974	NA
## m_community 25	1.963	0.574	2.233	0.837
## m_community 26	0.595	-0.692	1.316	0.759
## m_community 27	2.333	-0.757	3.500	3.119
## m_community 28	0.833	2.325	1.615	2.429
## m_community 29	2.143	2.023	0.143	-4.000
## m_community 30	1.538	1.436	0.070	-2.836
## m_community 31	1.211	-0.167	3.150	2.500
## m_community 32	1.955	-0.795	2.522	0.667
## m_community 33	-0.286	1.939	1.818	4.000
## m_community 34	-1.424	0.773	-0.370	0.745
## m_community 35	1.654	-0.892	3.269	2.604
## m_community 36	-1.059	0.267	1.647	3.000
## m_community 37	-3.611	1.406	-0.533	4.655
## m_community 38	-2.368	1.629	-0.476	2.600
## m_community 39	1.912	0.233	2.500	1.353
## m_community 40	-3.278	1.759	-0.857	3.281
## m_community 41	2.722	2.833	0.500	-2.886
## m_community 42	-0.852	0.600	0.560	0.108
## m_community 43	-0.550	1.571	-0.158	-0.500
## m_community 44	-1.444	0.000	0.483	0.767
## m_community 45	-1.167	0.103	0.920	1.622
## m_community 46	-1.579	1.121	0.842	2.056

## m_community 47	-3.167	1.132	-0.522	3.128
## m_community 48	-0.600	1.976	-0.577	0.050
## m_community 49	-2.143	2.125	-0.737	2.118
## m_community 50	-1.333	0.140	0.920	1.564
## m_community 51	-1.031	0.413	0.310	0.200
## m_community 52	0.357	1.136	0.233	-1.481
## m_community 53	-2.826	0.657	0.115	4.395
## m_community 54	-0.591	-0.947	2.040	3.800
## m_community 55	2.364	0.229	5.000	4.256
## m_community 56	0.615	-1.868	2.704	2.688
## m_community 57	1.143	-1.390	2.583	2.526
## m_community 58	0.240	-1.053	3.238	3.775
## m_community 59	-4.238	1.853	-0.889	7.437
## m_community 60	-3.957	1.650	-0.560	5.283
## m_community 61	-0.095	-0.935	1.386	1.461
## m_community 62	-2.875	1.707	0.321	4.833
## m_community 63	-0.960	-0.526	1.560	2.979
## m_community 64	0.800	-1.103	3.773	4.114
## m_community 65	-0.217	-0.971	2.900	4.410
## m_community 66	-0.735	-0.940	1.189	1.833
## m_community 67	-1.111	0.250	2.000	2.884
## m_community 68	0.257	-1.667	1.889	1.774
## m_community 69	-3.522	0.811	-0.286	3.605
## m_community 70	-0.216	-0.860	1.167	2.983
## m_community 71	1.481	-0.625	3.815	4.844
## m_community 72	0.306	-1.469	1.800	3.164
## m_community 73	2.151	1.325	3.519	4.488
##	m_community 25	m_community 26	m_community 27	m_community 28
## m_community 1	0.512	0.047	1.487	1.500
## m_community 2	0.179	-0.735	0.174	1.556
## m_community 3	0.424	-1.171	-1.296	2.370
## m_community 4	1.366	0.773	1.526	1.794
## m_community 5	0.452	-0.395	2.000	1.286
## m_community 6	1.069	-1.029	-0.040	2.524
## m_community 7	0.983	0.721	2.000	1.551
## m_community 8	1.281	0.459	2.846	1.308
## m_community 9	0.778	0.129	2.630	1.917
## m_community 10	0.675	0.116	2.455	1.057

## m_community 11	0.732	0.300	2.351	1.600
## m_community 12	1.467	0.486	1.727	1.077
## m_community 13	1.500	0.714	2.645	2.375
## m_community 14	1.212	0.297	2.034	0.966
## m_community 15	0.548	-0.225	2.393	1.129
## m_community 16	0.897	-0.618	-0.333	2.400
## m_community 17	0.550	-0.077	1.409	1.143
## m_community 18	0.600	0.173	1.459	1.343
## m_community 19	1.627	1.547	2.923	2.667
## m_community 20	3.882	2.143	3.103	3.452
## m_community 21	1.963	0.595	2.333	0.833
## m_community 22	0.574	-0.692	-0.757	2.325
## m_community 23	2.233	1.316	3.500	1.615
## m_community 24	0.837	0.759	3.119	2.429
## m_community 25	NA	-0.047	0.971	2.114
## m_community 26	-0.047	NA	-1.128	1.400
## m_community 27	0.971	-1.128	NA	2.429
## m_community 28	2.114	1.400	2.429	NA
## m_community 29	0.444	-0.071	2.323	0.771
## m_community 30	0.288	-0.233	1.259	0.437
## m_community 31	-0.259	-1.281	-2.095	2.000
## m_community 32	0.296	-2.139	-1.333	2.407
## m_community 33	1.933	0.853	1.640	1.320
## m_community 34	0.208	-0.723	0.459	0.421
## m_community 35	0.425	-1.342	-1.576	2.100
## m_community 36	0.960	-1.033	-0.091	1.762
## m_community 37	1.750	0.222	1.789	0.773
## m_community 38	1.741	0.394	1.917	0.880
## m_community 39	1.132	-0.438	-0.079	1.553
## m_community 40	1.727	0.094	1.857	0.800
## m_community 41	1.148	0.314	3.087	1.217
## m_community 42	-0.594	-1.686	0.065	1.125
## m_community 43	0.519	-0.563	1.826	1.045
## m_community 44	-0.857	-1.825	-0.733	0.758
## m_community 45	-0.568	-1.676	-0.452	1.038
## m_community 46	0.577	-0.710	0.696	1.042
## m_community 47	0.966	-0.200	1.038	0.679
## m_community 48	1.154	0.605	2.250	0.515

## m_community 49	1.484	0.471	2.333	0.739
## m_community 50	-0.833	-1.463	-0.552	1.032
## m_community 51	-0.455	-1.438	-0.025	0.775
## m_community 52	-0.195	-0.891	0.967	0.800
## m_community 53	1.156	-0.342	0.464	0.897
## m_community 54	0.355	-1.462	-1.467	1.533
## m_community 55	1.867	-0.286	-0.250	3.429
## m_community 56	-0.154	-2.293	-2.294	1.970
## m_community 57	0.000	-1.960	-2.119	1.630
## m_community 58	-0.313	-1.412	-1.481	1.793
## m_community 59	3.192	1.812	2.560	0.625
## m_community 60	2.697	1.579	2.031	0.581
## m_community 61	-0.255	-1.615	-1.354	1.213
## m_community 62	2.389	1.214	1.613	0.588
## m_community 63	0.111	-1.154	-0.839	1.182
## m_community 64	1.167	-1.275	-1.364	2.333
## m_community 65	1.167	-1.625	-1.429	2.074
## m_community 66	-0.545	-1.896	-1.500	1.095
## m_community 67	-0.235	-1.071	-0.485	1.086
## m_community 68	-0.130	-2.170	-2.211	1.525
## m_community 69	0.394	-0.610	0.538	0.704
## m_community 70	0.731	-1.109	-1.085	1.304
## m_community 71	1.771	-0.429	-1.091	1.972
## m_community 72	0.681	-1.644	-1.550	1.667
## m_community 73	1.900	2.079	1.113	1.241
##	m_community 29	m_community 30	m_community 31	m_community 32
## m_community 1	-1.610	-1.103	0.581	0.057
## m_community 2	-3.074	-2.000	-3.611	-1.136
## m_community 3	3.290	2.174	-2.524	-0.913
## m_community 4	1.500	1.052	1.000	1.500
## m_community 5	-5.121	-3.109	0.727	-0.923
## m_community 6	0.036	0.000	-0.125	-1.500
## m_community 7	-2.889	-2.288	2.278	0.413
## m_community 8	-3.067	-1.958	2.048	0.480
## m_community 9	-6.760	-3.864	1.833	-0.636
## m_community 10	-5.947	-3.774	1.571	-0.636
## m_community 11	-3.657	-2.067	1.846	0.212
## m_community 12	3.963	2.409	0.333	1.826

## m_community 13	-1.710	-1.019	2.682	0.900
## m_community 14	-0.967	-0.604	1.474	0.846
## m_community 15	-5.167	-4.022	1.261	-0.677
## m_community 16	4.000	2.286	-2.529	0.143
## m_community 17	-3.023	-2.113	0.833	-0.368
## m_community 18	-2.814	-2.100	0.172	-0.105
## m_community 19	-1.448	-1.141	3.583	1.690
## m_community 20	5.171	3.404	3.000	4.333
## m_community 21	2.143	1.538	1.211	1.955
## m_community 22	2.023	1.436	-0.167	-0.795
## m_community 23	0.143	0.070	3.150	2.522
## m_community 24	-4.000	-2.836	2.500	0.667
## m_community 25	0.444	0.288	-0.259	0.296
## m_community 26	-0.071	-0.233	-1.281	-2.139
## m_community 27	2.323	1.259	-2.095	-1.333
## m_community 28	0.771	0.437	2.000	2.407
## m_community 29	NA	-4.571	1.240	-1.065
## m_community 30	-4.571	NA	0.725	-0.735
## m_community 31	1.240	0.725	NA	-1.105
## m_community 32	-1.065	-0.735	-1.105	NA
## m_community 33	3.385	2.071	0.500	2.120
## m_community 34	-0.049	-0.048	-0.931	-0.289
## m_community 35	2.182	1.288	-3.522	-1.565
## m_community 36	2.115	1.405	-1.176	-0.474
## m_community 37	3.250	2.000	0.067	1.824
## m_community 38	1.154	0.644	0.895	1.300
## m_community 39	-0.028	0.000	0.111	-0.667
## m_community 40	2.273	1.282	0.200	1.588
## m_community 41	-6.778	-4.667	1.737	-0.476
## m_community 42	-1.419	-1.045	-2.409	-1.440
## m_community 43	-2.929	-1.860	-0.059	-0.476
## m_community 44	-0.083	-0.055	-3.792	-1.344
## m_community 45	0.364	0.149	-2.833	-1.185
## m_community 46	1.120	0.512	-2.313	0.200
## m_community 47	2.552	1.468	-0.684	0.917
## m_community 48	-2.212	-1.370	1.773	0.645
## m_community 49	0.414	0.222	1.222	1.364
## m_community 50	0.514	0.255	-3.136	-1.071

## m_community 51	-0.838	-0.712	-2.074	-1.057
## m_community 52	-3.238	-2.698	-0.517	-1.281
## m_community 53	3.806	2.196	-1.095	0.889
## m_community 54	3.212	2.400	-2.750	-0.966
## m_community 55	5.037	2.978	-1.524	0.500
## m_community 56	2.075	1.375	-3.500	-2.226
## m_community 57	2.021	1.300	-3.000	-1.818
## m_community 58	3.483	2.021	-3.619	-0.792
## m_community 59	6.885	3.851	2.000	4.286
## m_community 60	6.067	3.771	2.000	4.227
## m_community 61	1.400	1.095	-1.650	-1.857
## m_community 62	6.034	3.109	1.167	2.871
## m_community 63	2.714	1.959	-2.160	-0.679
## m_community 64	3.526	2.837	-0.958	-1.000
## m_community 65	4.379	2.907	-1.050	-1.083
## m_community 66	1.224	1.018	-2.767	-1.500
## m_community 67	2.774	1.723	-3.000	-0.148
## m_community 68	1.723	1.328	-2.129	-2.093
## m_community 69	3.615	2.140	-1.600	0.538
## m_community 70	2.185	2.121	-0.457	-1.048
## m_community 71	4.914	3.269	-0.240	0.034
## m_community 72	2.902	1.557	-0.719	-1.475
## m_community 73	4.315	3.096	1.413	3.000
##	m_community 33	m_community 34	m_community 35	m_community 36
## m_community 1	1.649	-0.196	1.289	0.879
## m_community 2	2.000	-0.559	-0.577	0.529
## m_community 3	1.091	-0.143	-1.613	-0.857
## m_community 4	1.613	0.211	1.250	1.308
## m_community 5	2.600	-0.615	1.621	1.409
## m_community 6	2.158	-0.226	-0.208	0.059
## m_community 7	2.810	0.695	2.146	2.514
## m_community 8	2.250	-0.303	2.300	1.545
## m_community 9	3.773	-0.258	2.680	2.579
## m_community 10	2.909	0.093	2.108	2.462
## m_community 11	3.226	0.310	2.257	2.480
## m_community 12	-0.667	-1.600	0.867	-1.500
## m_community 13	3.370	0.564	2.438	2.360
## m_community 14	0.923	-1.059	1.714	0.316

## m_community 15	2.815	-0.311	1.903	2.200
## m_community 16	0.571	-0.444	-1.167	-1.250
## m_community 17	1.944	-0.341	1.600	1.156
## m_community 18	2.485	0.289	1.095	1.645
## m_community 19	3.841	1.550	3.422	3.487
## m_community 20	2.586	2.000	2.645	2.870
## m_community 21	-0.286	-1.424	1.654	-1.059
## m_community 22	1.939	0.773	-0.892	0.267
## m_community 23	1.818	-0.370	3.269	1.647
## m_community 24	4.000	0.745	2.604	3.000
## m_community 25	1.933	0.208	0.425	0.960
## m_community 26	0.853	-0.723	-1.342	-1.033
## m_community 27	1.640	0.459	-1.576	-0.091
## m_community 28	1.320	0.421	2.100	1.762
## m_community 29	3.385	-0.049	2.182	2.115
## m_community 30	2.071	-0.048	1.288	1.405
## m_community 31	0.500	-0.931	-3.522	-1.176
## m_community 32	2.120	-0.289	-1.565	-0.474
## m_community 33	NA	-0.324	1.080	0.000
## m_community 34	-0.324	NA	0.088	-1.444
## m_community 35	1.080	0.088	NA	-0.652
## m_community 36	0.000	-1.444	-0.652	NA
## m_community 37	-1.467	-2.360	1.000	-2.769
## m_community 38	-0.053	-1.452	1.583	-1.000
## m_community 39	1.848	0.520	-0.237	0.786
## m_community 40	-0.941	-2.370	1.238	-2.583
## m_community 41	3.318	-0.029	2.333	2.778
## m_community 42	-0.087	-2.788	-0.519	-2.000
## m_community 43	1.190	-1.545	1.074	-0.278
## m_community 44	-0.655	-2.946	-1.351	-2.385
## m_community 45	-0.957	-2.629	-1.185	-2.542
## m_community 46	-0.300	-2.207	-0.125	-1.933
## m_community 47	-1.174	-2.700	0.370	-2.286
## m_community 48	1.148	-0.512	1.969	0.810
## m_community 49	0.182	-1.344	1.760	-0.588
## m_community 50	-0.741	-2.667	-1.259	-3.100
## m_community 51	-0.161	-2.065	-0.488	-1.714
## m_community 52	1.065	-1.463	0.576	-0.037

## m_community 53	-1.273	-1.771	-0.200	-2.091
## m_community 54	-0.040	-0.943	-2.033	-2.000
## m_community 55	2.250	0.457	-0.742	0.350
## m_community 56	0.267	-0.784	-2.618	-1.920
## m_community 57	0.825	-0.135	-2.435	-1.091
## m_community 58	-1.080	-0.941	-2.346	-2.800
## m_community 59	-1.737	-1.030	1.815	-1.688
## m_community 60	-1.292	-0.941	1.867	-1.091
## m_community 61	0.067	-1.145	-1.345	-1.632
## m_community 62	-1.077	-0.973	1.290	-0.800
## m_community 63	-1.154	-1.282	-1.257	-2.810
## m_community 64	0.731	0.077	-1.361	-1.200
## m_community 65	0.348	-0.529	-1.571	-1.750
## m_community 66	-0.676	-1.952	-1.651	-2.219
## m_community 67	-1.000	-2.243	-1.000	-2.478
## m_community 68	0.263	-1.116	-2.432	-1.871
## m_community 69	-1.636	-2.912	-0.172	-3.444
## m_community 70	0.308	-0.135	-1.130	-1.086
## m_community 71	1.083	0.821	-1.029	-0.208
## m_community 72	0.618	-0.185	-1.571	-1.125
## m_community 73	0.654	1.551	0.841	2.064
##	m_community 37	m_community 38	m_community 39	m_community 40
## m_community 1	1.552	1.029	1.025	1.214
## m_community 2	1.875	1.053	0.242	1.188
## m_community 3	-0.056	1.045	0.485	0.500
## m_community 4	1.333	1.448	1.703	1.115
## m_community 5	2.250	0.864	0.412	1.316
## m_community 6	1.063	1.000	0.250	0.875
## m_community 7	3.000	1.806	0.875	2.333
## m_community 8	1.222	0.286	1.147	0.529
## m_community 9	4.125	1.714	0.889	2.529
## m_community 10	3.333	1.407	0.275	2.375
## m_community 11	3.000	1.786	1.023	1.963
## m_community 12	-4.118	-2.000	1.969	-4.200
## m_community 13	3.100	1.786	1.605	2.381
## m_community 14	-1.235	-1.045	1.515	-1.529
## m_community 15	3.263	1.182	0.382	1.900
## m_community 16	-0.933	0.722	1.133	-0.375

## m_community 17	1.679	0.788	0.545	0.935
## m_community 18	2.500	1.437	0.432	1.733
## m_community 19	4.081	3.051	1.636	4.062
## m_community 20	2.238	2.630	3.289	2.545
## m_community 21	-3.611	-2.368	1.912	-3.278
## m_community 22	1.406	1.629	0.233	1.759
## m_community 23	-0.533	-0.476	2.500	-0.857
## m_community 24	4.655	2.600	1.353	3.281
## m_community 25	1.750	1.741	1.132	1.727
## m_community 26	0.222	0.394	-0.438	0.094
## m_community 27	1.789	1.917	-0.079	1.857
## m_community 28	0.773	0.880	1.553	0.800
## m_community 29	3.250	1.154	-0.028	2.273
## m_community 30	2.000	0.644	0.000	1.282
## m_community 31	0.067	0.895	0.111	0.200
## m_community 32	1.824	1.300	-0.667	1.588
## m_community 33	-1.467	-0.053	1.848	-0.941
## m_community 34	-2.360	-1.452	0.520	-2.370
## m_community 35	1.000	1.583	-0.237	1.238
## m_community 36	-2.769	-1.000	0.786	-2.583
## m_community 37	NA	-3.467	1.926	-5.462
## m_community 38	-3.467	NA	1.613	-3.188
## m_community 39	1.926	1.613	NA	1.889
## m_community 40	-5.462	-3.188	1.889	NA
## m_community 41	3.529	1.687	0.464	2.500
## m_community 42	-1.632	-1.227	0.121	-2.200
## m_community 43	-0.917	-1.056	0.767	-1.917
## m_community 44	-2.154	-1.440	-0.027	-2.783
## m_community 45	-2.632	-1.217	0.081	-2.524
## m_community 46	-3.000	-1.687	1.034	-3.462
## m_community 47	-4.889	-2.773	1.600	-5.000
## m_community 48	-0.619	-0.833	1.025	-0.783
## m_community 49	-2.882	-2.278	1.613	-3.250
## m_community 50	-2.737	-1.167	0.250	-2.591
## m_community 51	-1.750	-1.000	0.227	-2.115
## m_community 52	0.458	-0.179	-0.049	-0.231
## m_community 53	-4.474	-2.261	1.613	-4.278
## m_community 54	-1.810	-0.346	0.344	-1.350

## m_community 55	1.526	2.571	1.567	2.056
## m_community 56	-0.583	0.414	-0.512	-0.200
## m_community 57	0.344	0.872	-0.500	0.793
## m_community 58	-1.722	0.455	0.200	-1.000
## m_community 59	-7.133	-3.526	3.167	-5.313
## m_community 60	-5.833	-3.095	2.667	-4.200
## m_community 61	-0.938	-0.091	-0.267	-0.730
## m_community 62	-3.583	-1.808	2.179	-3.000
## m_community 63	-2.545	-0.778	0.486	-2.150
## m_community 64	-0.238	0.750	0.132	0.286
## m_community 65	-1.765	-0.136	0.375	-1.067
## m_community 66	-1.963	-0.576	-0.229	-1.633
## m_community 67	-2.667	-0.958	0.683	-2.600
## m_community 68	-0.633	0.057	-0.702	-0.433
## m_community 69	-5.824	-3.000	1.286	-5.588
## m_community 70	-0.912	-0.128	0.018	-0.514
## m_community 71	0.524	1.739	0.545	1.450
## m_community 72	-0.607	0.171	-0.295	-0.067
## m_community 73	1.881	2.540	1.640	2.395
##	m_community 41	m_community 42	m_community 43	m_community 44
## m_community 1	-0.919	-1.057	-0.759	-0.650
## m_community 2	-2.381	-2.125	-1.800	-1.897
## m_community 3	3.750	-0.560	1.609	-1.815
## m_community 4	1.967	-0.030	1.074	-0.528
## m_community 5	-4.913	-2.115	-2.870	-1.200
## m_community 6	0.684	-0.913	0.000	-1.000
## m_community 7	-2.325	0.477	-0.452	1.106
## m_community 8	-2.240	-0.708	-1.600	-0.111
## m_community 9	-5.947	-1.636	-3.000	-0.385
## m_community 10	-4.844	-0.903	-2.129	0.275
## m_community 11	-2.500	-0.758	-1.069	-0.086
## m_community 12	4.150	-1.043	0.158	-1.724
## m_community 13	-0.769	-0.065	-0.038	0.211
## m_community 14	-0.591	-1.083	-1.238	-1.000
## m_community 15	-4.960	-1.654	-2.625	-0.484
## m_community 16	4.238	-1.217	1.333	-2.480
## m_community 17	-2.625	-1.344	-1.581	-0.595
## m_community 18	-2.206	-0.421	-0.758	-0.049

## m_community 19	-0.659	1.476	0.974	1.552
## m_community 20	5.815	2.893	3.926	1.697
## m_community 21	2.722	-0.852	-0.550	-1.444
## m_community 22	2.833	0.600	1.571	0.000
## m_community 23	0.500	0.560	-0.158	0.483
## m_community 24	-2.886	0.108	-0.500	0.767
## m_community 25	1.148	-0.594	0.519	-0.857
## m_community 26	0.314	-1.686	-0.563	-1.825
## m_community 27	3.087	0.065	1.826	-0.733
## m_community 28	1.217	1.125	1.045	0.758
## m_community 29	-6.778	-1.419	-2.929	-0.083
## m_community 30	-4.667	-1.045	-1.860	-0.055
## m_community 31	1.737	-2.409	-0.059	-3.792
## m_community 32	-0.476	-1.440	-0.476	-1.344
## m_community 33	3.318	-0.087	1.190	-0.655
## m_community 34	-0.029	-2.788	-1.545	-2.946
## m_community 35	2.333	-0.519	1.074	-1.351
## m_community 36	2.778	-2.000	-0.278	-2.385
## m_community 37	3.529	-1.632	-0.917	-2.154
## m_community 38	1.687	-1.227	-1.056	-1.440
## m_community 39	0.464	0.121	0.767	-0.027
## m_community 40	2.500	-2.200	-1.917	-2.783
## m_community 41	NA	-1.217	-2.842	0.074
## m_community 42	-1.217	NA	-3.136	-4.290
## m_community 43	-2.842	-3.136	NA	-2.440
## m_community 44	0.074	-4.290	-2.440	NA
## m_community 45	0.615	-4.179	-2.217	-5.370
## m_community 46	1.222	-3.136	-1.611	-3.444
## m_community 47	2.714	-2.296	-1.286	-3.033
## m_community 48	-1.923	-0.519	-1.462	-0.059
## m_community 49	0.429	-1.042	-1.316	-1.333
## m_community 50	0.739	-4.321	-2.429	-4.545
## m_community 51	-0.576	-3.657	-2.400	-3.675
## m_community 52	-3.065	-2.903	-2.690	-2.361
## m_community 53	4.136	-1.393	-0.045	-2.500
## m_community 54	3.750	-1.500	0.565	-2.333
## m_community 55	6.200	0.143	3.000	-1.207
## m_community 56	2.500	-1.727	0.267	-2.543

## m_community 57	2.528	-0.625	1.000	-1.413
## m_community 58	3.909	-2.292	1.000	-2.893
## m_community 59	7.444	1.524	1.850	0.040
## m_community 60	5.440	1.107	1.520	0.000
## m_community 61	1.512	-2.024	-0.279	-2.667
## m_community 62	4.963	0.517	1.591	-0.600
## m_community 63	3.000	-1.967	0.000	-2.543
## m_community 64	4.600	-0.200	1.840	-1.167
## m_community 65	5.048	-0.435	1.737	-1.552
## m_community 66	1.710	-3.029	-0.806	-3.116
## m_community 67	2.667	-3.483	-0.840	-3.944
## m_community 68	1.971	-1.675	0.111	-2.326
## m_community 69	2.958	-3.192	-1.524	-3.719
## m_community 70	2.763	-0.023	0.923	-0.826
## m_community 71	5.462	1.167	3.120	0.028
## m_community 72	2.914	-0.088	1.161	-0.744
## m_community 73	4.981	2.709	4.042	1.651
##	m_community 45	m_community 46	m_community 47	m_community 48
## m_community 1	-0.622	0.414	0.829	0.263
## m_community 2	-1.407	-0.684	0.773	-0.292
## m_community 3	-1.625	-0.400	-0.500	2.241
## m_community 4	-0.118	0.567	0.406	1.568
## m_community 5	-0.786	0.050	1.280	-1.303
## m_community 6	-0.826	0.176	0.409	0.778
## m_community 7	1.362	1.775	2.463	-0.292
## m_community 8	0.379	0.571	0.680	-1.067
## m_community 9	0.077	1.176	2.500	-1.269
## m_community 10	0.824	1.161	2.469	-1.667
## m_community 11	0.265	1.034	2.000	-0.171
## m_community 12	-1.680	-1.895	-4.100	0.240
## m_community 13	0.821	1.480	1.893	0.514
## m_community 14	-0.692	-0.667	-1.000	-0.900
## m_community 15	-0.034	0.762	1.786	-1.231
## m_community 16	-2.522	-0.947	-1.381	2.609
## m_community 17	-0.175	0.233	1.028	-0.650
## m_community 18	0.500	0.800	1.794	-0.256
## m_community 19	2.146	2.738	2.920	0.925
## m_community 20	2.034	2.692	1.593	3.312

## m_community 21	-1.167	-1.579	-3.167	-0.600
## m_community 22	0.103	1.121	1.132	1.976
## m_community 23	0.920	0.842	-0.522	-0.577
## m_community 24	1.622	2.056	3.128	0.050
## m_community 25	-0.568	0.577	0.966	1.154
## m_community 26	-1.676	-0.710	-0.200	0.605
## m_community 27	-0.452	0.696	1.038	2.250
## m_community 28	1.038	1.042	0.679	0.515
## m_community 29	0.364	1.120	2.552	-2.212
## m_community 30	0.149	0.512	1.468	-1.370
## m_community 31	-2.833	-2.313	-0.684	1.773
## m_community 32	-1.185	0.200	0.917	0.645
## m_community 33	-0.957	-0.300	-1.174	1.148
## m_community 34	-2.629	-2.207	-2.700	-0.512
## m_community 35	-1.185	-0.125	0.370	1.969
## m_community 36	-2.542	-1.933	-2.286	0.810
## m_community 37	-2.632	-3.000	-4.889	-0.619
## m_community 38	-1.217	-1.687	-2.773	-0.833
## m_community 39	0.081	1.034	1.600	1.025
## m_community 40	-2.524	-3.462	-5.000	-0.783
## m_community 41	0.615	1.222	2.714	-1.923
## m_community 42	-4.179	-3.136	-2.296	-0.519
## m_community 43	-2.217	-1.611	-1.286	-1.462
## m_community 44	-5.370	-3.444	-3.033	-0.059
## m_community 45	NA	-3.500	-3.200	0.172
## m_community 46	-3.500	NA	-3.048	-0.087
## m_community 47	-3.200	-3.048	NA	-0.458
## m_community 48	0.172	-0.087	-0.458	NA
## m_community 49	-1.000	-1.474	-2.522	-1.208
## m_community 50	-5.259	-3.478	-3.037	0.290
## m_community 51	-3.568	-2.724	-2.353	-0.390
## m_community 52	-1.778	-1.214	-0.387	-1.355
## m_community 53	-2.833	-2.700	-3.778	0.194
## m_community 54	-2.444	-1.591	-1.929	1.633
## m_community 55	-1.125	0.750	0.619	3.607
## m_community 56	-2.833	-1.269	-0.906	1.735
## m_community 57	-1.243	-0.194	0.122	1.927
## m_community 58	-4.115	-1.600	-1.565	2.000

## m_community 59	0.038	-1.353	-5.150	0.154
## m_community 60	0.172	-0.952	-4.208	0.133
## m_community 61	-2.400	-1.436	-1.450	1.060
## m_community 62	-0.469	-0.852	-3.250	0.788
## m_community 63	-3.452	-1.840	-2.233	1.152
## m_community 64	-1.065	-0.091	-0.577	2.344
## m_community 65	-1.520	-0.750	-2.000	1.774
## m_community 66	-3.350	-2.250	-2.222	0.711
## m_community 67	-4.714	-3.167	-3.143	1.156
## m_community 68	-2.143	-1.367	-1.026	1.227
## m_community 69	-4.077	-4.100	-5.040	-0.107
## m_community 70	-0.681	-0.162	-0.886	1.047
## m_community 71	0.161	0.958	0.308	3.094
## m_community 72	-0.721	-0.031	-0.550	1.390
## m_community 73	1.548	1.940	1.356	3.109
##	m_community 49	m_community 50	m_community 51	m_community 52
## m_community 1	0.853	-0.639	-0.702	-1.143
## m_community 2	0.714	-1.667	-1.667	-2.241
## m_community 3	1.591	-1.538	-0.658	1.097
## m_community 4	1.667	-0.176	-0.289	0.463
## m_community 5	0.120	-0.600	-1.457	-2.846
## m_community 6	0.900	-0.909	-0.767	-0.483
## m_community 7	1.122	1.565	0.508	-0.945
## m_community 8	-0.238	0.407	-0.333	-1.297
## m_community 9	1.056	0.304	-1.033	-3.667
## m_community 10	0.581	1.138	-0.302	-2.902
## m_community 11	1.161	0.417	-0.383	-1.881
## m_community 12	-1.850	-1.917	-1.125	0.933
## m_community 13	1.600	0.667	-0.085	-0.765
## m_community 14	-1.182	-0.643	-0.853	-0.968
## m_community 15	0.393	0.097	-1.000	-2.667
## m_community 16	0.955	-2.292	-1.030	1.111
## m_community 17	0.297	-0.128	-0.849	-2.048
## m_community 18	0.895	0.400	-0.180	-1.468
## m_community 19	2.575	2.568	1.283	-0.148
## m_community 20	2.885	1.758	1.897	3.077
## m_community 21	-2.143	-1.333	-1.031	0.357
## m_community 22	2.125	0.140	0.413	1.136

## m_community 23	-0.737	0.920	0.310	0.233
## m_community 24	2.118	1.564	0.200	-1.481
## m_community 25	1.484	-0.833	-0.455	-0.195
## m_community 26	0.471	-1.463	-1.438	-0.891
## m_community 27	2.333	-0.552	-0.025	0.967
## m_community 28	0.739	1.032	0.775	0.800
## m_community 29	0.414	0.514	-0.838	-3.238
## m_community 30	0.222	0.255	-0.712	-2.698
## m_community 31	1.222	-3.136	-2.074	-0.517
## m_community 32	1.364	-1.071	-1.057	-1.281
## m_community 33	0.182	-0.741	-0.161	1.065
## m_community 34	-1.344	-2.667	-2.065	-1.463
## m_community 35	1.760	-1.259	-0.488	0.576
## m_community 36	-0.588	-3.100	-1.714	-0.037
## m_community 37	-2.882	-2.737	-1.750	0.458
## m_community 38	-2.278	-1.167	-1.000	-0.179
## m_community 39	1.613	0.250	0.227	-0.049
## m_community 40	-3.250	-2.591	-2.115	-0.231
## m_community 41	0.429	0.739	-0.576	-3.065
## m_community 42	-1.042	-4.321	-3.657	-2.903
## m_community 43	-1.316	-2.429	-2.400	-2.690
## m_community 44	-1.333	-4.545	-3.675	-2.361
## m_community 45	-1.000	-5.259	-3.568	-1.778
## m_community 46	-1.474	-3.478	-2.724	-1.214
## m_community 47	-2.522	-3.037	-2.353	-0.387
## m_community 48	-1.208	0.290	-0.390	-1.355
## m_community 49	NA	-1.077	-1.000	-0.567
## m_community 50	-1.077	NA	-3.293	-1.971
## m_community 51	-1.000	-3.293	NA	-2.178
## m_community 52	-0.567	-1.971	-2.178	NA
## m_community 53	-1.957	-2.379	-1.515	0.727
## m_community 54	0.167	-2.300	-1.263	0.687
## m_community 55	3.095	-1.160	-0.235	1.844
## m_community 56	0.963	-2.688	-1.450	0.132
## m_community 57	1.371	-1.130	-0.698	0.569
## m_community 58	1.000	-4.000	-1.457	0.515
## m_community 59	-3.278	-0.125	0.607	3.172
## m_community 60	-2.400	0.069	0.528	2.735

## m_community 61	0.216	-2.636	-1.678	-0.316
## m_community 62	-1.615	-0.486	0.026	2.216
## m_community 63	-0.296	-3.467	-1.718	0.158
## m_community 64	1.458	-1.148	-0.421	1.514
## m_community 65	0.684	-1.464	-0.545	1.586
## m_community 66	-0.424	-3.684	-1.948	-0.689
## m_community 67	-0.667	-4.690	-2.837	-0.694
## m_community 68	0.545	-2.293	-1.560	-0.119
## m_community 69	-2.727	-4.111	-3.000	-0.273
## m_community 70	0.250	-0.667	-0.132	0.937
## m_community 71	2.200	0.129	0.727	2.405
## m_community 72	0.528	-0.769	-0.240	1.078
## m_community 73	2.404	1.597	1.711	3.054
##	m_community 53	m_community 54	m_community 55	m_community 56
## m_community 1	1.459	1.378	2.394	0.732
## m_community 2	1.200	0.125	1.773	-0.519
## m_community 3	-0.889	-2.480	-0.739	-2.531
## m_community 4	0.774	1.138	2.067	0.853
## m_community 5	2.692	2.133	3.500	1.467
## m_community 6	0.375	-0.391	1.571	-1.231
## m_community 7	3.045	2.688	3.949	2.073
## m_community 8	1.500	2.296	4.200	1.969
## m_community 9	4.500	3.360	6.105	2.133
## m_community 10	3.606	3.700	4.484	2.459
## m_community 11	2.853	2.514	4.033	1.732
## m_community 12	-3.458	-1.440	1.304	-0.379
## m_community 13	2.517	2.344	3.821	1.919
## m_community 14	-0.346	0.880	3.125	1.286
## m_community 15	3.103	2.455	4.222	1.794
## m_community 16	-1.727	-2.174	-0.522	-2.207
## m_community 17	1.757	1.684	2.939	1.214
## m_community 18	2.594	1.605	2.686	1.000
## m_community 19	4.415	3.739	4.780	3.489
## m_community 20	1.321	1.667	1.897	1.750
## m_community 21	-2.826	-0.591	2.364	0.615
## m_community 22	0.657	-0.947	0.229	-1.868
## m_community 23	0.115	2.040	5.000	2.704
## m_community 24	4.395	3.800	4.256	2.688

## m_community 25	1.156	0.355	1.867	-0.154
## m_community 26	-0.342	-1.462	-0.286	-2.293
## m_community 27	0.464	-1.467	-0.250	-2.294
## m_community 28	0.897	1.533	3.429	1.970
## m_community 29	3.806	3.212	5.037	2.075
## m_community 30	2.196	2.400	2.978	1.375
## m_community 31	-1.095	-2.750	-1.524	-3.500
## m_community 32	0.889	-0.966	0.500	-2.226
## m_community 33	-1.273	-0.040	2.250	0.267
## m_community 34	-1.771	-0.943	0.457	-0.784
## m_community 35	-0.200	-2.033	-0.742	-2.618
## m_community 36	-2.091	-2.000	0.350	-1.920
## m_community 37	-4.474	-1.810	1.526	-0.583
## m_community 38	-2.261	-0.346	2.571	0.414
## m_community 39	1.613	0.344	1.567	-0.512
## m_community 40	-4.278	-1.350	2.056	-0.200
## m_community 41	4.136	3.750	6.200	2.500
## m_community 42	-1.393	-1.500	0.143	-1.727
## m_community 43	-0.045	0.565	3.000	0.267
## m_community 44	-2.500	-2.333	-1.207	-2.543
## m_community 45	-2.833	-2.444	-1.125	-2.833
## m_community 46	-2.700	-1.591	0.750	-1.269
## m_community 47	-3.778	-1.929	0.619	-0.906
## m_community 48	0.194	1.633	3.607	1.735
## m_community 49	-1.957	0.167	3.095	0.963
## m_community 50	-2.379	-2.300	-1.160	-2.688
## m_community 51	-1.515	-1.263	-0.235	-1.450
## m_community 52	0.727	0.687	1.844	0.132
## m_community 53	NA	-2.345	0.000	-1.433
## m_community 54	-2.345	NA	-1.320	-3.226
## m_community 55	0.000	-1.320	NA	-1.806
## m_community 56	-1.433	-3.226	-1.806	NA
## m_community 57	-0.614	-2.694	-1.541	-3.042
## m_community 58	-1.846	-2.724	-1.833	-3.750
## m_community 59	-5.800	-1.565	2.684	0.704
## m_community 60	-4.222	-1.458	2.261	0.636
## m_community 61	-1.396	-2.152	-1.350	-2.473
## m_community 62	-3.920	-1.030	1.414	0.371

## m_community 63	-2.643	-2.645	-1.138	-2.970
## m_community 64	-1.370	-2.429	-0.840	-2.697
## m_community 65	-2.074	-2.808	-0.950	-3.286
## m_community 66	-2.158	-2.658	-1.676	-3.049
## m_community 67	-2.700	-2.621	-1.138	-2.545
## m_community 68	-1.421	-2.548	-1.788	-3.923
## m_community 69	-4.720	-2.607	-0.476	-1.719
## m_community 70	-1.425	-2.048	-0.579	-2.152
## m_community 71	-0.567	-1.594	-0.219	-2.182
## m_community 72	-1.342	-2.071	-0.737	-2.420
## m_community 73	0.932	1.016	1.574	1.116
##	m_community 57	m_community 58	m_community 59	m_community 60
## m_community 1	0.889	0.595	3.143	2.923
## m_community 2	-0.421	-0.040	4.895	4.087
## m_community 3	-2.500	-2.640	0.435	0.429
## m_community 4	0.937	1.143	2.034	1.703
## m_community 5	1.641	2.652	5.240	5.000
## m_community 6	-0.861	-0.150	2.632	2.318
## m_community 7	1.667	3.525	4.410	3.911
## m_community 8	1.762	2.643	2.591	2.071
## m_community 9	2.200	3.500	7.238	6.040
## m_community 10	1.980	3.364	6.444	5.562
## m_community 11	1.691	3.032	5.233	4.486
## m_community 12	0.324	-0.958	-6.176	-4.333
## m_community 13	1.633	3.107	4.720	3.576
## m_community 14	1.474	1.542	-0.273	-0.231
## m_community 15	2.050	2.424	5.577	5.800
## m_community 16	-1.444	-3.381	-0.250	-0.040
## m_community 17	1.143	1.650	3.844	3.154
## m_community 18	0.804	2.061	4.152	3.595
## m_community 19	2.012	3.894	5.429	4.957
## m_community 20	1.778	2.040	1.038	0.875
## m_community 21	1.143	0.240	-4.238	-3.957
## m_community 22	-1.390	-1.053	1.853	1.650
## m_community 23	2.583	3.238	-0.889	-0.560
## m_community 24	2.526	3.775	7.437	5.283
## m_community 25	0.000	-0.313	3.192	2.697
## m_community 26	-1.960	-1.412	1.812	1.579

## m_community 27	-2.119	-1.481	2.560	2.031
## m_community 28	1.630	1.793	0.625	0.581
## m_community 29	2.021	3.483	6.885	6.067
## m_community 30	1.300	2.021	3.851	3.771
## m_community 31	-3.000	-3.619	2.000	2.000
## m_community 32	-1.818	-0.792	4.286	4.227
## m_community 33	0.825	-1.080	-1.737	-1.292
## m_community 34	-0.135	-0.941	-1.030	-0.941
## m_community 35	-2.435	-2.346	1.815	1.867
## m_community 36	-1.091	-2.800	-1.688	-1.091
## m_community 37	0.344	-1.722	-7.133	-5.833
## m_community 38	0.872	0.455	-3.526	-3.095
## m_community 39	-0.500	0.200	3.167	2.667
## m_community 40	0.793	-1.000	-5.313	-4.200
## m_community 41	2.528	3.909	7.444	5.440
## m_community 42	-0.625	-2.292	1.524	1.107
## m_community 43	1.000	1.000	1.850	1.520
## m_community 44	-1.413	-2.893	0.040	0.000
## m_community 45	-1.243	-4.115	0.038	0.172
## m_community 46	-0.194	-1.600	-1.353	-0.952
## m_community 47	0.122	-1.565	-5.150	-4.208
## m_community 48	1.927	2.000	0.154	0.133
## m_community 49	1.371	1.000	-3.278	-2.400
## m_community 50	-1.130	-4.000	-0.125	0.069
## m_community 51	-0.698	-1.457	0.607	0.528
## m_community 52	0.569	0.515	3.172	2.735
## m_community 53	-0.614	-1.846	-5.800	-4.222
## m_community 54	-2.694	-2.724	-1.565	-1.458
## m_community 55	-1.541	-1.833	2.684	2.261
## m_community 56	-3.042	-3.750	0.704	0.636
## m_community 57	NA	-2.450	1.243	1.111
## m_community 58	-2.450	NA	-0.500	-0.250
## m_community 59	1.243	-0.500	NA	-8.333
## m_community 60	1.111	-0.250	-8.333	NA
## m_community 61	-1.750	-2.021	0.333	0.298
## m_community 62	0.788	-0.344	-6.160	-5.429
## m_community 63	-1.625	-4.733	-2.043	-1.467
## m_community 64	-2.409	-2.172	-0.148	-0.148

## m_community 65	-2.526	-2.269	-1.727	-1.286
## m_community 66	-1.852	-3.200	-0.441	-0.325
## m_community 67	-1.091	-3.643	-0.920	-0.667
## m_community 68	-3.075	-2.641	0.469	0.556
## m_community 69	-0.415	-2.360	-5.333	-4.826
## m_community 70	-2.016	-1.488	-1.297	-1.022
## m_community 71	-2.047	-1.667	0.077	0.129
## m_community 72	-2.404	-1.659	-0.568	-0.550
## m_community 73	0.948	0.571	0.627	0.537
##	m_community 61	m_community 62	m_community 63	m_community 64
## m_community 1	0.350	2.405	0.538	2.139
## m_community 2	-0.295	2.867	0.115	1.500
## m_community 3	-1.620	0.357	-1.862	-1.852
## m_community 4	0.220	1.205	0.514	1.237
## m_community 5	0.479	4.207	1.559	3.286
## m_community 6	-1.028	2.042	-0.455	-0.074
## m_community 7	1.265	3.480	2.592	2.727
## m_community 8	1.022	2.393	1.962	3.143
## m_community 9	1.220	5.760	3.083	4.913
## m_community 10	1.547	4.579	2.939	3.639
## m_community 11	0.814	4.353	2.389	3.216
## m_community 12	-0.795	-2.893	-1.552	-0.115
## m_community 13	1.000	3.222	2.323	2.937
## m_community 14	0.415	0.185	0.417	1.857
## m_community 15	0.902	4.667	2.290	3.700
## m_community 16	-1.632	-0.083	-2.500	-1.217
## m_community 17	0.484	3.000	1.385	2.528
## m_community 18	0.797	3.140	1.568	2.087
## m_community 19	1.957	4.500	3.094	3.980
## m_community 20	1.288	1.121	1.387	2.219
## m_community 21	-0.095	-2.875	-0.960	0.800
## m_community 22	-0.935	1.707	-0.526	-1.103
## m_community 23	1.386	0.321	1.560	3.773
## m_community 24	1.461	4.833	2.979	4.114
## m_community 25	-0.255	2.389	0.111	1.167
## m_community 26	-1.615	1.214	-1.154	-1.275
## m_community 27	-1.354	1.613	-0.839	-1.364
## m_community 28	1.213	0.588	1.182	2.333

## m_community 29	1.400	6.034	2.714	3.526
## m_community 30	1.095	3.109	1.959	2.837
## m_community 31	-1.650	1.167	-2.160	-0.958
## m_community 32	-1.857	2.871	-0.679	-1.000
## m_community 33	0.067	-1.077	-1.154	0.731
## m_community 34	-1.145	-0.973	-1.282	0.077
## m_community 35	-1.345	1.290	-1.257	-1.361
## m_community 36	-1.632	-0.800	-2.810	-1.200
## m_community 37	-0.938	-3.583	-2.545	-0.238
## m_community 38	-0.091	-1.808	-0.778	0.750
## m_community 39	-0.267	2.179	0.486	0.132
## m_community 40	-0.730	-3.000	-2.150	0.286
## m_community 41	1.512	4.963	3.000	4.600
## m_community 42	-2.024	0.517	-1.967	-0.200
## m_community 43	-0.279	1.591	0.000	1.840
## m_community 44	-2.667	-0.600	-2.543	-1.167
## m_community 45	-2.400	-0.469	-3.452	-1.065
## m_community 46	-1.436	-0.852	-1.840	-0.091
## m_community 47	-1.450	-3.250	-2.233	-0.577
## m_community 48	1.060	0.788	1.152	2.344
## m_community 49	0.216	-1.615	-0.296	1.458
## m_community 50	-2.636	-0.486	-3.467	-1.148
## m_community 51	-1.678	0.026	-1.718	-0.421
## m_community 52	-0.316	2.216	0.158	1.514
## m_community 53	-1.396	-3.920	-2.643	-1.370
## m_community 54	-2.152	-1.030	-2.645	-2.429
## m_community 55	-1.350	1.414	-1.138	-0.840
## m_community 56	-2.473	0.371	-2.970	-2.697
## m_community 57	-1.750	0.788	-1.625	-2.409
## m_community 58	-2.021	-0.344	-4.733	-2.172
## m_community 59	0.333	-6.160	-2.043	-0.148
## m_community 60	0.298	-5.429	-1.467	-0.148
## m_community 61	NA	-0.137	-1.980	-1.865
## m_community 62	-0.137	NA	-1.387	-0.071
## m_community 63	-1.980	-1.387	NA	-2.037
## m_community 64	-1.865	-0.071	-2.037	NA
## m_community 65	-2.163	-1.077	-2.500	-2.815
## m_community 66	-2.277	-0.690	-2.930	-2.025

## m_community 67	-2.220	-1.438	-3.258	-1.364
## m_community 68	-2.477	0.149	-1.938	-2.780
## m_community 69	-1.660	-3.633	-3.333	-1.708
## m_community 70	-1.619	-0.625	-1.356	-1.787
## m_community 71	-1.294	-0.031	-1.448	-1.969
## m_community 72	-1.902	-0.195	-1.829	-2.310
## m_community 73	0.862	-0.106	0.672	0.833
##	m_community 65	m_community 66	m_community 67	m_community 68
## m_community 1	1.941	0.000	0.357	0.510
## m_community 2	1.900	-0.647	-0.333	-0.250
## m_community 3	-2.083	-1.690	-1.414	-2.316
## m_community 4	1.303	-0.073	-0.211	0.386
## m_community 5	3.269	0.378	1.065	0.921
## m_community 6	-0.400	-1.097	-0.042	-1.455
## m_community 7	3.200	1.948	2.528	1.657
## m_community 8	3.000	0.925	2.000	1.350
## m_community 9	5.000	1.171	2.320	1.500
## m_community 10	4.000	1.574	2.853	1.930
## m_community 11	3.333	0.827	1.649	1.115
## m_community 12	-1.273	-1.515	-2.115	-0.576
## m_community 13	3.214	0.929	1.629	1.250
## m_community 14	1.346	0.047	0.185	0.641
## m_community 15	3.483	1.000	1.750	1.182
## m_community 16	-1.619	-2.364	-2.458	-2.031
## m_community 17	2.485	0.404	0.946	0.766
## m_community 18	2.417	0.638	1.477	0.780
## m_community 19	4.111	2.441	3.292	2.414
## m_community 20	2.214	1.098	1.444	1.425
## m_community 21	-0.217	-0.735	-1.111	0.257
## m_community 22	-0.971	-0.940	0.250	-1.667
## m_community 23	2.900	1.189	2.000	1.889
## m_community 24	4.410	1.833	2.884	1.774
## m_community 25	1.167	-0.545	-0.235	-0.130
## m_community 26	-1.625	-1.896	-1.071	-2.170
## m_community 27	-1.429	-1.500	-0.485	-2.211
## m_community 28	2.074	1.095	1.086	1.525
## m_community 29	4.379	1.224	2.774	1.723
## m_community 30	2.907	1.018	1.723	1.328

## m_community 31	-1.050	-2.767	-3.000	-2.129
## m_community 32	-1.083	-1.500	-0.148	-2.093
## m_community 33	0.348	-0.676	-1.000	0.263
## m_community 34	-0.529	-1.952	-2.243	-1.116
## m_community 35	-1.571	-1.651	-1.000	-2.432
## m_community 36	-1.750	-2.219	-2.478	-1.871
## m_community 37	-1.765	-1.963	-2.667	-0.633
## m_community 38	-0.136	-0.576	-0.958	0.057
## m_community 39	0.375	-0.229	0.683	-0.702
## m_community 40	-1.067	-1.633	-2.600	-0.433
## m_community 41	5.048	1.710	2.667	1.971
## m_community 42	-0.435	-3.029	-3.483	-1.675
## m_community 43	1.737	-0.806	-0.840	0.111
## m_community 44	-1.552	-3.116	-3.944	-2.326
## m_community 45	-1.520	-3.350	-4.714	-2.143
## m_community 46	-0.750	-2.250	-3.167	-1.367
## m_community 47	-2.000	-2.222	-3.143	-1.026
## m_community 48	1.774	0.711	1.156	1.227
## m_community 49	0.684	-0.424	-0.667	0.545
## m_community 50	-1.464	-3.684	-4.690	-2.293
## m_community 51	-0.545	-1.948	-2.837	-1.560
## m_community 52	1.586	-0.689	-0.694	-0.119
## m_community 53	-2.074	-2.158	-2.700	-1.421
## m_community 54	-2.808	-2.658	-2.621	-2.548
## m_community 55	-0.950	-1.676	-1.138	-1.788
## m_community 56	-3.286	-3.049	-2.545	-3.923
## m_community 57	-2.526	-1.852	-1.091	-3.075
## m_community 58	-2.269	-3.200	-3.643	-2.641
## m_community 59	-1.727	-0.441	-0.920	0.469
## m_community 60	-1.286	-0.325	-0.667	0.556
## m_community 61	-2.163	-2.277	-2.220	-2.477
## m_community 62	-1.077	-0.690	-1.438	0.149
## m_community 63	-2.500	-2.930	-3.258	-1.938
## m_community 64	-2.815	-2.025	-1.364	-2.780
## m_community 65	NA	-2.179	-1.704	-3.303
## m_community 66	-2.179	NA	-3.091	-2.706
## m_community 67	-1.704	-3.091	NA	-2.400
## m_community 68	-3.303	-2.706	-2.400	NA

## m_community 69	-2.591	-2.919	-4.241	-1.725
## m_community 70	-2.341	-1.736	-0.778	-2.063
## m_community 71	-2.259	-1.244	-0.514	-1.977
## m_community 72	-3.000	-1.714	-0.821	-2.769
## m_community 73	1.185	0.889	0.469	0.979
##	m_community 69	m_community 70	m_community 71	m_community 72
## m_community 1	0.750	1.489	2.548	1.375
## m_community 2	0.727	0.895	2.708	1.061
## m_community 3	-1.160	-1.467	-1.065	-1.973
## m_community 4	0.032	0.941	1.590	1.156
## m_community 5	1.233	2.073	4.125	1.927
## m_community 6	0.045	-0.500	0.630	-0.706
## m_community 7	2.531	1.986	3.592	2.222
## m_community 8	0.963	1.775	3.833	1.902
## m_community 9	3.300	2.789	6.435	2.914
## m_community 10	3.267	2.574	4.857	2.553
## m_community 11	2.182	2.417	4.162	2.311
## m_community 12	-4.500	-0.700	0.500	-0.455
## m_community 13	1.889	2.023	3.686	2.146
## m_community 14	-1.217	0.711	2.567	1.025
## m_community 15	2.357	2.273	4.767	2.632
## m_community 16	-2.182	-0.842	-0.444	-1.059
## m_community 17	1.176	1.558	3.289	1.640
## m_community 18	1.707	1.660	3.128	1.288
## m_community 19	3.667	2.742	4.280	2.817
## m_community 20	1.154	1.122	2.118	1.649
## m_community 21	-3.522	-0.216	1.481	0.306
## m_community 22	0.811	-0.860	-0.625	-1.469
## m_community 23	-0.286	1.167	3.815	1.800
## m_community 24	3.605	2.983	4.844	3.164
## m_community 25	0.394	0.731	1.771	0.681
## m_community 26	-0.610	-1.109	-0.429	-1.644
## m_community 27	0.538	-1.085	-1.091	-1.550
## m_community 28	0.704	1.304	1.972	1.667
## m_community 29	3.615	2.185	4.914	2.902
## m_community 30	2.140	2.121	3.269	1.557
## m_community 31	-1.600	-0.457	-0.240	-0.719
## m_community 32	0.538	-1.048	0.034	-1.475

## m_community 33	-1.636	0.308	1.083	0.618
## m_community 34	-2.912	-0.135	0.821	-0.185
## m_community 35	-0.172	-1.130	-1.029	-1.571
## m_community 36	-3.444	-1.086	-0.208	-1.125
## m_community 37	-5.824	-0.912	0.524	-0.607
## m_community 38	-3.000	-0.128	1.739	0.171
## m_community 39	1.286	0.018	0.545	-0.295
## m_community 40	-5.588	-0.514	1.450	-0.067
## m_community 41	2.958	2.763	5.462	2.914
## m_community 42	-3.192	-0.023	1.167	-0.088
## m_community 43	-1.524	0.923	3.120	1.161
## m_community 44	-3.719	-0.826	0.028	-0.744
## m_community 45	-4.077	-0.681	0.161	-0.721
## m_community 46	-4.100	-0.162	0.958	-0.031
## m_community 47	-5.040	-0.886	0.308	-0.550
## m_community 48	-0.107	1.047	3.094	1.390
## m_community 49	-2.727	0.250	2.200	0.528
## m_community 50	-4.111	-0.667	0.129	-0.769
## m_community 51	-3.000	-0.132	0.727	-0.240
## m_community 52	-0.273	0.937	2.405	1.078
## m_community 53	-4.720	-1.425	-0.567	-1.342
## m_community 54	-2.607	-2.048	-1.594	-2.071
## m_community 55	-0.476	-0.579	-0.219	-0.737
## m_community 56	-1.719	-2.152	-2.182	-2.420
## m_community 57	-0.415	-2.016	-2.047	-2.404
## m_community 58	-2.360	-1.488	-1.667	-1.659
## m_community 59	-5.333	-1.297	0.077	-0.568
## m_community 60	-4.826	-1.022	0.129	-0.550
## m_community 61	-1.660	-1.619	-1.294	-1.902
## m_community 62	-3.633	-0.625	-0.031	-0.195
## m_community 63	-3.333	-1.356	-1.448	-1.829
## m_community 64	-1.708	-1.787	-1.969	-2.310
## m_community 65	-2.591	-2.341	-2.259	-3.000
## m_community 66	-2.919	-1.736	-1.244	-1.714
## m_community 67	-4.241	-0.778	-0.514	-0.821
## m_community 68	-1.725	-2.063	-1.977	-2.769
## m_community 69	NA	-1.385	-0.393	-0.974
## m_community 70	-1.385	NA	-1.705	-2.293

## m_community 71	-0.393	-1.705	NA	-1.975
## m_community 72	-0.974	-2.293	-1.975	NA
## m_community 73	1.034	0.976	-0.078	1.234
##	m_community 73			
## m_community 1	3.362			
## m_community 2	3.164			
## m_community 3	1.145			
## m_community 4	1.545			
## m_community 5	4.707			
## m_community 6	3.146			
## m_community 7	2.962			
## m_community 8	3.833			
## m_community 9	6.170			
## m_community 10	4.414			
## m_community 11	3.776			
## m_community 12	1.431			
## m_community 13	3.873			
## m_community 14	3.107			
## m_community 15	4.803			
## m_community 16	1.531			
## m_community 17	3.378			
## m_community 18	2.885			
## m_community 19	3.768			
## m_community 20	1.508			
## m_community 21	2.151			
## m_community 22	1.325			
## m_community 23	3.519			
## m_community 24	4.488			
## m_community 25	1.900			
## m_community 26	2.079			
## m_community 27	1.113			
## m_community 28	1.241			
## m_community 29	4.315			
## m_community 30	3.096			
## m_community 31	1.413			
## m_community 32	3.000			
## m_community 33	0.654			
## m_community 34	1.551			

## m_community 35	0.841
## m_community 36	2.064
## m_community 37	1.881
## m_community 38	2.540
## m_community 39	1.640
## m_community 40	2.395
## m_community 41	4.981
## m_community 42	2.709
## m_community 43	4.042
## m_community 44	1.651
## m_community 45	1.548
## m_community 46	1.940
## m_community 47	1.356
## m_community 48	3.109
## m_community 49	2.404
## m_community 50	1.597
## m_community 51	1.711
## m_community 52	3.054
## m_community 53	0.932
## m_community 54	1.016
## m_community 55	1.574
## m_community 56	1.116
## m_community 57	0.948
## m_community 58	0.571
## m_community 59	0.627
## m_community 60	0.537
## m_community 61	0.862
## m_community 62	-0.106
## m_community 63	0.672
## m_community 64	0.833
## m_community 65	1.185
## m_community 66	0.889
## m_community 67	0.469
## m_community 68	0.979
## m_community 69	1.034
## m_community 70	0.976
## m_community 71	-0.078
## m_community 72	1.234

```
## m_community 73      NA
##
## $Beta_MPD_obv
##      m_community 1 m_community 2 m_community 3 m_community 4
## m_community 1      NA      0.243      0.315      0.290
## m_community 2      0.243      NA      0.270      0.291
## m_community 3      0.315      0.270      NA      0.300
## m_community 4      0.290      0.291      0.300      NA
## m_community 5      0.211      0.200      0.327      0.292
## m_community 6      0.285      0.259      0.262      0.304
## m_community 7      0.223      0.236      0.372      0.293
## m_community 8      0.253      0.246      0.331      0.302
## m_community 9      0.213      0.210      0.344      0.299
## m_community 10     0.205      0.197      0.364      0.309
## m_community 11     0.220      0.229      0.347      0.297
## m_community 12     0.320      0.302      0.259      0.292
## m_community 13     0.238      0.257      0.329      0.264
## m_community 14     0.273      0.262      0.304      0.296
## m_community 15     0.210      0.201      0.340      0.297
## m_community 16     0.311      0.276      0.230      0.296
## m_community 17     0.220      0.218      0.326      0.283
## m_community 18     0.233      0.208      0.319      0.297
## m_community 19     0.235      0.284      0.408      0.312
## m_community 20     0.391      0.371      0.334      0.354
## m_community 21     0.306      0.294      0.282      0.293
## m_community 22     0.316      0.290      0.226      0.309
## m_community 23     0.296      0.293      0.332      0.325
## m_community 24     0.213      0.241      0.407      0.342
## m_community 25     0.283      0.263      0.274      0.315
## m_community 26     0.267      0.236      0.222      0.292
## m_community 27     0.319      0.267      0.225      0.315
## m_community 28     0.328      0.300      0.328      0.327
## m_community 29     0.196      0.178      0.359      0.317
## m_community 30     0.196      0.178      0.359      0.317
## m_community 31     0.283      0.195      0.207      0.289
## m_community 32     0.266      0.233      0.239      0.307
## m_community 33     0.324      0.300      0.282      0.308
## m_community 34     0.261      0.244      0.260      0.272
```

## m_community 35	0.312	0.246	0.212	0.307
## m_community 36	0.294	0.270	0.243	0.294
## m_community 37	0.311	0.293	0.263	0.296
## m_community 38	0.299	0.280	0.283	0.302
## m_community 39	0.301	0.265	0.275	0.322
## m_community 40	0.297	0.280	0.270	0.290
## m_community 41	0.232	0.211	0.351	0.319
## m_community 42	0.228	0.211	0.248	0.259
## m_community 43	0.243	0.225	0.295	0.289
## m_community 44	0.239	0.209	0.219	0.248
## m_community 45	0.241	0.223	0.223	0.256
## m_community 46	0.276	0.247	0.254	0.277
## m_community 47	0.296	0.279	0.251	0.276
## m_community 48	0.273	0.255	0.326	0.317
## m_community 49	0.292	0.275	0.294	0.302
## m_community 50	0.240	0.223	0.220	0.252
## m_community 51	0.227	0.210	0.240	0.249
## m_community 52	0.213	0.195	0.296	0.281
## m_community 53	0.319	0.291	0.234	0.286
## m_community 54	0.314	0.266	0.199	0.293
## m_community 55	0.345	0.299	0.247	0.324
## m_community 56	0.291	0.245	0.178	0.289
## m_community 57	0.308	0.242	0.167	0.303
## m_community 58	0.286	0.260	0.195	0.293
## m_community 59	0.375	0.354	0.270	0.320
## m_community 60	0.375	0.354	0.271	0.320
## m_community 61	0.278	0.246	0.182	0.270
## m_community 62	0.369	0.347	0.275	0.308
## m_community 63	0.289	0.267	0.208	0.284
## m_community 64	0.337	0.299	0.210	0.307
## m_community 65	0.333	0.299	0.211	0.305
## m_community 66	0.265	0.241	0.191	0.262
## m_community 67	0.276	0.254	0.219	0.252
## m_community 68	0.291	0.255	0.176	0.284
## m_community 69	0.292	0.276	0.233	0.263
## m_community 70	0.336	0.301	0.203	0.315
## m_community 71	0.371	0.328	0.228	0.324
## m_community 72	0.332	0.294	0.194	0.314

## m_community 73	0.478	0.426	0.328	0.351
##	m_community 5	m_community 6	m_community 7	m_community 8
## m_community 1	0.211	0.285	0.223	0.253
## m_community 2	0.200	0.259	0.236	0.246
## m_community 3	0.327	0.262	0.372	0.331
## m_community 4	0.292	0.304	0.293	0.302
## m_community 5	NA	0.260	0.159	0.200
## m_community 6	0.260	NA	0.295	0.281
## m_community 7	0.159	0.295	NA	0.207
## m_community 8	0.200	0.281	0.207	NA
## m_community 9	0.142	0.272	0.147	0.203
## m_community 10	0.113	0.270	0.105	0.181
## m_community 11	0.168	0.285	0.166	0.223
## m_community 12	0.325	0.286	0.377	0.297
## m_community 13	0.213	0.292	0.175	0.242
## m_community 14	0.238	0.279	0.268	0.244
## m_community 15	0.131	0.264	0.140	0.194
## m_community 16	0.325	0.275	0.380	0.327
## m_community 17	0.163	0.269	0.166	0.213
## m_community 18	0.176	0.275	0.171	0.225
## m_community 19	0.208	0.340	0.135	0.253
## m_community 20	0.404	0.362	0.423	0.382
## m_community 21	0.295	0.285	0.337	0.273
## m_community 22	0.325	0.266	0.335	0.335
## m_community 23	0.267	0.304	0.291	0.260
## m_community 24	0.154	0.317	0.145	0.230
## m_community 25	0.271	0.289	0.315	0.303
## m_community 26	0.247	0.228	0.303	0.282
## m_community 27	0.314	0.257	0.362	0.332
## m_community 28	0.295	0.313	0.327	0.295
## m_community 29	0.089	0.258	0.105	0.168
## m_community 30	0.089	0.258	0.105	0.168
## m_community 31	0.275	0.258	0.342	0.302
## m_community 32	0.233	0.230	0.277	0.273
## m_community 33	0.323	0.299	0.374	0.312
## m_community 34	0.241	0.256	0.309	0.255
## m_community 35	0.309	0.256	0.364	0.329
## m_community 36	0.291	0.261	0.350	0.294

## m_community 37	0.308	0.279	0.365	0.284
## m_community 38	0.277	0.277	0.324	0.264
## m_community 39	0.270	0.268	0.305	0.300
## m_community 40	0.285	0.275	0.343	0.270
## m_community 41	0.145	0.273	0.165	0.202
## m_community 42	0.204	0.240	0.280	0.246
## m_community 43	0.193	0.259	0.242	0.227
## m_community 44	0.229	0.236	0.318	0.264
## m_community 45	0.240	0.241	0.326	0.271
## m_community 46	0.261	0.263	0.328	0.273
## m_community 47	0.294	0.269	0.364	0.278
## m_community 48	0.217	0.281	0.244	0.227
## m_community 49	0.263	0.279	0.308	0.255
## m_community 50	0.240	0.239	0.329	0.271
## m_community 51	0.205	0.236	0.289	0.246
## m_community 52	0.151	0.246	0.203	0.210
## m_community 53	0.329	0.270	0.395	0.301
## m_community 54	0.325	0.252	0.392	0.323
## m_community 55	0.358	0.295	0.416	0.367
## m_community 56	0.305	0.229	0.375	0.324
## m_community 57	0.317	0.225	0.377	0.335
## m_community 58	0.323	0.258	0.398	0.332
## m_community 59	0.390	0.310	0.436	0.318
## m_community 60	0.390	0.310	0.436	0.318
## m_community 61	0.285	0.220	0.364	0.308
## m_community 62	0.384	0.312	0.438	0.329
## m_community 63	0.314	0.254	0.387	0.313
## m_community 64	0.351	0.255	0.408	0.347
## m_community 65	0.344	0.253	0.401	0.333
## m_community 66	0.281	0.232	0.367	0.302
## m_community 67	0.291	0.257	0.385	0.308
## m_community 68	0.300	0.217	0.369	0.320
## m_community 69	0.300	0.261	0.382	0.286
## m_community 70	0.347	0.245	0.396	0.331
## m_community 71	0.389	0.279	0.437	0.376
## m_community 72	0.342	0.237	0.392	0.334
## m_community 73	0.513	0.399	0.558	0.475
##	m_community 9	m_community 10	m_community 11	m_community 12

## m_community 1	0.213	0.205	0.220	0.320
## m_community 2	0.210	0.197	0.229	0.302
## m_community 3	0.344	0.364	0.347	0.259
## m_community 4	0.299	0.309	0.297	0.292
## m_community 5	0.142	0.113	0.168	0.325
## m_community 6	0.272	0.270	0.285	0.286
## m_community 7	0.147	0.105	0.166	0.377
## m_community 8	0.203	0.181	0.223	0.297
## m_community 9	NA	0.108	0.164	0.345
## m_community 10	0.108	NA	0.140	0.368
## m_community 11	0.164	0.140	NA	0.347
## m_community 12	0.345	0.368	0.347	NA
## m_community 13	0.208	0.195	0.212	0.326
## m_community 14	0.249	0.243	0.263	0.252
## m_community 15	0.131	0.095	0.159	0.340
## m_community 16	0.344	0.367	0.346	0.249
## m_community 17	0.164	0.140	0.182	0.324
## m_community 18	0.175	0.146	0.196	0.342
## m_community 19	0.185	0.158	0.183	0.417
## m_community 20	0.417	0.432	0.419	0.310
## m_community 21	0.312	0.324	0.318	0.204
## m_community 22	0.335	0.343	0.336	0.305
## m_community 23	0.274	0.268	0.285	0.261
## m_community 24	0.139	0.106	0.151	0.416
## m_community 25	0.281	0.286	0.288	0.303
## m_community 26	0.263	0.270	0.274	0.276
## m_community 27	0.330	0.339	0.340	0.297
## m_community 28	0.308	0.300	0.325	0.289
## m_community 29	0.088	0.035	0.127	0.363
## m_community 30	0.088	0.035	0.127	0.363
## m_community 31	0.294	0.306	0.305	0.266
## m_community 32	0.245	0.240	0.262	0.302
## m_community 33	0.341	0.353	0.350	0.243
## m_community 34	0.260	0.274	0.269	0.215
## m_community 35	0.328	0.339	0.337	0.285
## m_community 36	0.310	0.325	0.318	0.233
## m_community 37	0.329	0.346	0.335	0.192
## m_community 38	0.293	0.299	0.305	0.217

## m_community 39	0.281	0.273	0.298	0.322
## m_community 40	0.304	0.319	0.312	0.198
## m_community 41	0.147	0.106	0.181	0.343
## m_community 42	0.223	0.236	0.234	0.238
## m_community 43	0.206	0.197	0.225	0.263
## m_community 44	0.253	0.279	0.257	0.214
## m_community 45	0.263	0.288	0.269	0.218
## m_community 46	0.281	0.297	0.289	0.224
## m_community 47	0.317	0.343	0.321	0.178
## m_community 48	0.225	0.205	0.249	0.268
## m_community 49	0.279	0.280	0.292	0.222
## m_community 50	0.264	0.291	0.269	0.213
## m_community 51	0.226	0.245	0.234	0.223
## m_community 52	0.162	0.147	0.184	0.288
## m_community 53	0.352	0.381	0.354	0.178
## m_community 54	0.348	0.374	0.350	0.225
## m_community 55	0.378	0.402	0.381	0.291
## m_community 56	0.327	0.351	0.331	0.249
## m_community 57	0.337	0.357	0.342	0.271
## m_community 58	0.346	0.372	0.350	0.237
## m_community 59	0.412	0.437	0.414	0.157
## m_community 60	0.411	0.437	0.413	0.156
## m_community 61	0.309	0.340	0.310	0.229
## m_community 62	0.407	0.435	0.408	0.178
## m_community 63	0.337	0.365	0.340	0.213
## m_community 64	0.372	0.396	0.374	0.253
## m_community 65	0.365	0.389	0.368	0.233
## m_community 66	0.306	0.339	0.307	0.215
## m_community 67	0.319	0.357	0.317	0.205
## m_community 68	0.321	0.348	0.323	0.247
## m_community 69	0.326	0.362	0.326	0.163
## m_community 70	0.367	0.387	0.370	0.235
## m_community 71	0.409	0.432	0.412	0.274
## m_community 72	0.361	0.381	0.365	0.247
## m_community 73	0.537	0.566	0.537	0.323
##	m_community 13	m_community 14	m_community 15	m_community 16
## m_community 1	0.238	0.273	0.210	0.311
## m_community 2	0.257	0.262	0.201	0.276

## m_community 3	0.329	0.304	0.340	0.230
## m_community 4	0.264	0.296	0.297	0.296
## m_community 5	0.213	0.238	0.131	0.325
## m_community 6	0.292	0.279	0.264	0.275
## m_community 7	0.175	0.268	0.140	0.380
## m_community 8	0.242	0.244	0.194	0.327
## m_community 9	0.208	0.249	0.131	0.344
## m_community 10	0.195	0.243	0.095	0.367
## m_community 11	0.212	0.263	0.159	0.346
## m_community 12	0.326	0.252	0.340	0.249
## m_community 13	NA	0.272	0.206	0.331
## m_community 14	0.272	NA	0.241	0.296
## m_community 15	0.206	0.241	NA	0.340
## m_community 16	0.331	0.296	0.340	NA
## m_community 17	0.207	0.248	0.156	0.325
## m_community 18	0.221	0.264	0.166	0.327
## m_community 19	0.189	0.314	0.189	0.416
## m_community 20	0.382	0.353	0.413	0.318
## m_community 21	0.305	0.239	0.306	0.269
## m_community 22	0.309	0.328	0.331	0.263
## m_community 23	0.299	0.253	0.268	0.323
## m_community 24	0.224	0.292	0.139	0.408
## m_community 25	0.308	0.301	0.277	0.286
## m_community 26	0.288	0.275	0.256	0.241
## m_community 27	0.339	0.318	0.324	0.251
## m_community 28	0.333	0.287	0.298	0.322
## m_community 29	0.205	0.231	0.072	0.361
## m_community 30	0.205	0.231	0.072	0.361
## m_community 31	0.316	0.286	0.287	0.217
## m_community 32	0.283	0.280	0.237	0.263
## m_community 33	0.344	0.280	0.334	0.270
## m_community 34	0.280	0.230	0.254	0.246
## m_community 35	0.337	0.311	0.321	0.235
## m_community 36	0.317	0.265	0.304	0.241
## m_community 37	0.324	0.241	0.323	0.249
## m_community 38	0.306	0.238	0.285	0.273
## m_community 39	0.315	0.305	0.272	0.294
## m_community 40	0.309	0.234	0.298	0.255

## m_community 41	0.239	0.246	0.133	0.350
## m_community 42	0.258	0.233	0.217	0.234
## m_community 43	0.257	0.231	0.196	0.286
## m_community 44	0.271	0.236	0.248	0.206
## m_community 45	0.281	0.243	0.258	0.206
## m_community 46	0.296	0.247	0.275	0.243
## m_community 47	0.311	0.232	0.312	0.234
## m_community 48	0.276	0.234	0.214	0.319
## m_community 49	0.299	0.233	0.271	0.281
## m_community 50	0.280	0.241	0.260	0.203
## m_community 51	0.255	0.227	0.221	0.225
## m_community 52	0.232	0.229	0.152	0.288
## m_community 53	0.333	0.248	0.348	0.225
## m_community 54	0.337	0.284	0.343	0.212
## m_community 55	0.366	0.337	0.374	0.249
## m_community 56	0.325	0.294	0.323	0.197
## m_community 57	0.335	0.312	0.332	0.203
## m_community 58	0.345	0.296	0.341	0.190
## m_community 59	0.375	0.252	0.407	0.258
## m_community 60	0.375	0.251	0.406	0.259
## m_community 61	0.305	0.274	0.306	0.196
## m_community 62	0.373	0.266	0.402	0.259
## m_community 63	0.331	0.272	0.333	0.200
## m_community 64	0.354	0.310	0.367	0.230
## m_community 65	0.348	0.293	0.361	0.228
## m_community 66	0.304	0.264	0.302	0.188
## m_community 67	0.312	0.262	0.316	0.200
## m_community 68	0.316	0.290	0.318	0.201
## m_community 69	0.311	0.231	0.323	0.213
## m_community 70	0.348	0.293	0.362	0.229
## m_community 71	0.385	0.338	0.405	0.251
## m_community 72	0.346	0.301	0.357	0.225
## m_community 73	0.488	0.420	0.532	0.323
##	m_community 17	m_community 18	m_community 19	m_community 20
## m_community 1	0.220	0.233	0.235	0.391
## m_community 2	0.218	0.208	0.284	0.371
## m_community 3	0.326	0.319	0.408	0.334
## m_community 4	0.283	0.297	0.312	0.354

## m_community 5	0.163	0.176	0.208	0.404
## m_community 6	0.269	0.275	0.340	0.362
## m_community 7	0.166	0.171	0.135	0.423
## m_community 8	0.213	0.225	0.253	0.382
## m_community 9	0.164	0.175	0.185	0.417
## m_community 10	0.140	0.146	0.158	0.432
## m_community 11	0.182	0.196	0.183	0.419
## m_community 12	0.324	0.342	0.417	0.310
## m_community 13	0.207	0.221	0.189	0.382
## m_community 14	0.248	0.264	0.314	0.353
## m_community 15	0.156	0.166	0.189	0.413
## m_community 16	0.325	0.327	0.416	0.318
## m_community 17	NA	0.191	0.204	0.396
## m_community 18	0.191	NA	0.214	0.399
## m_community 19	0.204	0.214	NA	0.459
## m_community 20	0.396	0.399	0.459	NA
## m_community 21	0.297	0.317	0.379	0.319
## m_community 22	0.320	0.313	0.364	0.361
## m_community 23	0.277	0.291	0.321	0.368
## m_community 24	0.177	0.190	0.124	0.485
## m_community 25	0.282	0.286	0.337	0.389
## m_community 26	0.259	0.266	0.345	0.356
## m_community 27	0.321	0.310	0.408	0.354
## m_community 28	0.307	0.311	0.383	0.366
## m_community 29	0.127	0.134	0.170	0.437
## m_community 30	0.127	0.134	0.170	0.437
## m_community 31	0.286	0.260	0.388	0.332
## m_community 32	0.248	0.251	0.324	0.373
## m_community 33	0.328	0.336	0.423	0.331
## m_community 34	0.251	0.276	0.350	0.330
## m_community 35	0.317	0.299	0.410	0.344
## m_community 36	0.298	0.309	0.394	0.328
## m_community 37	0.312	0.330	0.410	0.309
## m_community 38	0.285	0.302	0.373	0.331
## m_community 39	0.283	0.281	0.356	0.381
## m_community 40	0.291	0.312	0.388	0.317
## m_community 41	0.175	0.181	0.227	0.418
## m_community 42	0.219	0.244	0.320	0.342

## m_community 43	0.213	0.231	0.292	0.365
## m_community 44	0.240	0.262	0.352	0.323
## m_community 45	0.251	0.273	0.362	0.321
## m_community 46	0.270	0.287	0.371	0.329
## m_community 47	0.297	0.323	0.404	0.304
## m_community 48	0.235	0.247	0.302	0.369
## m_community 49	0.274	0.291	0.359	0.336
## m_community 50	0.251	0.275	0.364	0.318
## m_community 51	0.219	0.249	0.325	0.336
## m_community 52	0.176	0.195	0.252	0.383
## m_community 53	0.328	0.344	0.436	0.296
## m_community 54	0.327	0.327	0.431	0.317
## m_community 55	0.358	0.355	0.454	0.317
## m_community 56	0.310	0.306	0.412	0.324
## m_community 57	0.321	0.304	0.417	0.333
## m_community 58	0.328	0.325	0.438	0.311
## m_community 59	0.384	0.397	0.484	0.288
## m_community 60	0.383	0.397	0.484	0.288
## m_community 61	0.289	0.305	0.397	0.322
## m_community 62	0.379	0.395	0.484	0.295
## m_community 63	0.317	0.326	0.427	0.304
## m_community 64	0.350	0.352	0.448	0.329
## m_community 65	0.344	0.349	0.441	0.321
## m_community 66	0.286	0.303	0.400	0.312
## m_community 67	0.295	0.320	0.417	0.308
## m_community 68	0.303	0.311	0.404	0.329
## m_community 69	0.301	0.331	0.418	0.293
## m_community 70	0.346	0.348	0.438	0.322
## m_community 71	0.386	0.381	0.481	0.335
## m_community 72	0.342	0.341	0.433	0.327
## m_community 73	0.504	0.491	0.607	0.347
##	m_community 21	m_community 22	m_community 23	m_community 24
## m_community 1	0.306	0.316	0.296	0.213
## m_community 2	0.294	0.290	0.293	0.241
## m_community 3	0.282	0.226	0.332	0.407
## m_community 4	0.293	0.309	0.325	0.342
## m_community 5	0.295	0.325	0.267	0.154
## m_community 6	0.285	0.266	0.304	0.317

## m_community 7	0.337	0.335	0.291	0.145
## m_community 8	0.273	0.335	0.260	0.230
## m_community 9	0.312	0.335	0.274	0.139
## m_community 10	0.324	0.343	0.268	0.106
## m_community 11	0.318	0.336	0.285	0.151
## m_community 12	0.204	0.305	0.261	0.416
## m_community 13	0.305	0.309	0.299	0.224
## m_community 14	0.239	0.328	0.253	0.292
## m_community 15	0.306	0.331	0.268	0.139
## m_community 16	0.269	0.263	0.323	0.408
## m_community 17	0.297	0.320	0.277	0.177
## m_community 18	0.317	0.313	0.291	0.190
## m_community 19	0.379	0.364	0.321	0.124
## m_community 20	0.319	0.361	0.368	0.485
## m_community 21	NA	0.323	0.246	0.375
## m_community 22	0.323	NA	0.356	0.385
## m_community 23	0.246	0.356	NA	0.298
## m_community 24	0.375	0.385	0.298	NA
## m_community 25	0.312	0.288	0.325	0.300
## m_community 26	0.283	0.225	0.310	0.309
## m_community 27	0.313	0.232	0.348	0.389
## m_community 28	0.282	0.355	0.299	0.361
## m_community 29	0.318	0.347	0.257	0.087
## m_community 30	0.318	0.347	0.257	0.087
## m_community 31	0.283	0.257	0.320	0.351
## m_community 32	0.302	0.229	0.312	0.285
## m_community 33	0.252	0.323	0.295	0.407
## m_community 34	0.216	0.303	0.254	0.313
## m_community 35	0.304	0.232	0.343	0.387
## m_community 36	0.243	0.273	0.287	0.371
## m_community 37	0.198	0.311	0.250	0.398
## m_community 38	0.214	0.320	0.247	0.352
## m_community 39	0.322	0.273	0.333	0.325
## m_community 40	0.200	0.317	0.245	0.368
## m_community 41	0.309	0.349	0.268	0.161
## m_community 42	0.239	0.285	0.270	0.266
## m_community 43	0.249	0.319	0.254	0.241
## m_community 44	0.226	0.269	0.276	0.305

## m_community 45	0.231	0.268	0.280	0.317
## m_community 46	0.230	0.299	0.272	0.337
## m_community 47	0.187	0.306	0.247	0.386
## m_community 48	0.247	0.346	0.242	0.263
## m_community 49	0.215	0.331	0.242	0.334
## m_community 50	0.227	0.267	0.278	0.319
## m_community 51	0.228	0.282	0.266	0.271
## m_community 52	0.270	0.312	0.262	0.185
## m_community 53	0.193	0.288	0.260	0.429
## m_community 54	0.250	0.232	0.309	0.418
## m_community 55	0.314	0.275	0.369	0.445
## m_community 56	0.275	0.196	0.329	0.390
## m_community 57	0.297	0.175	0.346	0.400
## m_community 58	0.268	0.230	0.326	0.414
## m_community 59	0.171	0.328	0.242	0.501
## m_community 60	0.170	0.329	0.241	0.501
## m_community 61	0.253	0.203	0.313	0.371
## m_community 62	0.194	0.335	0.266	0.494
## m_community 63	0.237	0.247	0.297	0.406
## m_community 64	0.277	0.223	0.336	0.443
## m_community 65	0.255	0.229	0.314	0.438
## m_community 66	0.239	0.228	0.302	0.369
## m_community 67	0.229	0.275	0.299	0.386
## m_community 68	0.271	0.184	0.327	0.384
## m_community 69	0.179	0.293	0.250	0.399
## m_community 70	0.256	0.212	0.311	0.439
## m_community 71	0.300	0.240	0.360	0.486
## m_community 72	0.269	0.195	0.323	0.431
## m_community 73	0.359	0.377	0.437	0.635
##	m_community 25	m_community 26	m_community 27	m_community 28
## m_community 1	0.283	0.267	0.319	0.328
## m_community 2	0.263	0.236	0.267	0.300
## m_community 3	0.274	0.222	0.225	0.328
## m_community 4	0.315	0.292	0.315	0.327
## m_community 5	0.271	0.247	0.314	0.295
## m_community 6	0.289	0.228	0.257	0.313
## m_community 7	0.315	0.303	0.362	0.327
## m_community 8	0.303	0.282	0.332	0.295

## m_community 9	0.281	0.263	0.330	0.308
## m_community 10	0.286	0.270	0.339	0.300
## m_community 11	0.288	0.274	0.340	0.325
## m_community 12	0.303	0.276	0.297	0.289
## m_community 13	0.308	0.288	0.339	0.333
## m_community 14	0.301	0.275	0.318	0.287
## m_community 15	0.277	0.256	0.324	0.298
## m_community 16	0.286	0.241	0.251	0.322
## m_community 17	0.282	0.259	0.321	0.307
## m_community 18	0.286	0.266	0.310	0.311
## m_community 19	0.337	0.345	0.408	0.383
## m_community 20	0.389	0.356	0.354	0.366
## m_community 21	0.312	0.283	0.313	0.282
## m_community 22	0.288	0.225	0.232	0.355
## m_community 23	0.325	0.310	0.348	0.299
## m_community 24	0.300	0.309	0.389	0.361
## m_community 25	NA	0.260	0.290	0.335
## m_community 26	0.260	NA	0.214	0.318
## m_community 27	0.290	0.214	NA	0.327
## m_community 28	0.335	0.318	0.327	NA
## m_community 29	0.272	0.253	0.328	0.286
## m_community 30	0.272	0.253	0.328	0.286
## m_community 31	0.254	0.221	0.216	0.301
## m_community 32	0.267	0.184	0.221	0.321
## m_community 33	0.314	0.291	0.297	0.291
## m_community 34	0.269	0.233	0.280	0.281
## m_community 35	0.278	0.212	0.207	0.321
## m_community 36	0.284	0.233	0.257	0.298
## m_community 37	0.304	0.270	0.294	0.279
## m_community 38	0.306	0.271	0.304	0.280
## m_community 39	0.299	0.238	0.255	0.319
## m_community 40	0.297	0.265	0.298	0.277
## m_community 41	0.289	0.271	0.327	0.288
## m_community 42	0.240	0.203	0.259	0.287
## m_community 43	0.272	0.243	0.298	0.283
## m_community 44	0.233	0.191	0.239	0.288
## m_community 45	0.237	0.199	0.243	0.290
## m_community 46	0.273	0.239	0.273	0.286

## m_community 47	0.288	0.252	0.286	0.277
## m_community 48	0.307	0.285	0.330	0.278
## m_community 49	0.305	0.277	0.314	0.277
## m_community 50	0.235	0.196	0.241	0.289
## m_community 51	0.236	0.195	0.255	0.286
## m_community 52	0.252	0.222	0.289	0.286
## m_community 53	0.296	0.251	0.269	0.285
## m_community 54	0.271	0.210	0.218	0.311
## m_community 55	0.316	0.252	0.255	0.354
## m_community 56	0.254	0.170	0.181	0.322
## m_community 57	0.262	0.162	0.162	0.334
## m_community 58	0.249	0.214	0.217	0.310
## m_community 59	0.343	0.320	0.321	0.277
## m_community 60	0.344	0.321	0.321	0.277
## m_community 61	0.248	0.158	0.190	0.317
## m_community 62	0.343	0.315	0.313	0.280
## m_community 63	0.265	0.216	0.230	0.300
## m_community 64	0.297	0.210	0.211	0.325
## m_community 65	0.297	0.212	0.220	0.317
## m_community 66	0.241	0.177	0.209	0.305
## m_community 67	0.253	0.214	0.243	0.293
## m_community 68	0.256	0.152	0.176	0.328
## m_community 69	0.276	0.236	0.271	0.278
## m_community 70	0.300	0.202	0.210	0.322
## m_community 71	0.323	0.242	0.224	0.331
## m_community 72	0.293	0.187	0.195	0.329
## m_community 73	0.410	0.405	0.321	0.325
##	m_community 29	m_community 30	m_community 31	m_community 32
## m_community 1	0.196	0.196	0.283	0.266
## m_community 2	0.178	0.178	0.195	0.233
## m_community 3	0.359	0.359	0.207	0.239
## m_community 4	0.317	0.317	0.289	0.307
## m_community 5	0.089	0.089	0.275	0.233
## m_community 6	0.258	0.258	0.258	0.230
## m_community 7	0.105	0.105	0.342	0.277
## m_community 8	0.168	0.168	0.302	0.273
## m_community 9	0.088	0.088	0.294	0.245
## m_community 10	0.035	0.035	0.306	0.240

## m_community 11	0.127	0.127	0.305	0.262
## m_community 12	0.363	0.363	0.266	0.302
## m_community 13	0.205	0.205	0.316	0.283
## m_community 14	0.231	0.231	0.286	0.280
## m_community 15	0.072	0.072	0.287	0.237
## m_community 16	0.361	0.361	0.217	0.263
## m_community 17	0.127	0.127	0.286	0.248
## m_community 18	0.134	0.134	0.260	0.251
## m_community 19	0.170	0.170	0.388	0.324
## m_community 20	0.437	0.437	0.332	0.373
## m_community 21	0.318	0.318	0.283	0.302
## m_community 22	0.347	0.347	0.257	0.229
## m_community 23	0.257	0.257	0.320	0.312
## m_community 24	0.087	0.087	0.351	0.285
## m_community 25	0.272	0.272	0.254	0.267
## m_community 26	0.253	0.253	0.221	0.184
## m_community 27	0.328	0.328	0.216	0.221
## m_community 28	0.286	0.286	0.301	0.321
## m_community 29	NA	0.000	0.289	0.222
## m_community 30	0.000	NA	0.289	0.222
## m_community 31	0.289	0.289	NA	0.236
## m_community 32	0.222	0.222	0.236	NA
## m_community 33	0.343	0.343	0.266	0.308
## m_community 34	0.257	0.257	0.237	0.254
## m_community 35	0.327	0.327	0.179	0.223
## m_community 36	0.313	0.313	0.239	0.251
## m_community 37	0.337	0.337	0.264	0.292
## m_community 38	0.286	0.286	0.277	0.284
## m_community 39	0.257	0.257	0.262	0.235
## m_community 40	0.307	0.307	0.263	0.286
## m_community 41	0.077	0.077	0.292	0.249
## m_community 42	0.213	0.213	0.208	0.222
## m_community 43	0.174	0.174	0.257	0.246
## m_community 44	0.259	0.259	0.175	0.220
## m_community 45	0.269	0.269	0.191	0.226
## m_community 46	0.281	0.281	0.223	0.260
## m_community 47	0.332	0.332	0.247	0.281
## m_community 48	0.186	0.186	0.299	0.279

## m_community 49	0.266	0.266	0.281	0.288
## m_community 50	0.272	0.272	0.189	0.225
## m_community 51	0.223	0.223	0.202	0.219
## m_community 52	0.119	0.119	0.243	0.221
## m_community 53	0.374	0.374	0.236	0.281
## m_community 54	0.365	0.365	0.195	0.234
## m_community 55	0.395	0.395	0.229	0.273
## m_community 56	0.340	0.340	0.175	0.189
## m_community 57	0.346	0.346	0.163	0.175
## m_community 58	0.360	0.360	0.184	0.238
## m_community 59	0.437	0.437	0.300	0.348
## m_community 60	0.437	0.437	0.301	0.348
## m_community 61	0.328	0.328	0.192	0.183
## m_community 62	0.433	0.433	0.288	0.346
## m_community 63	0.354	0.354	0.204	0.242
## m_community 64	0.390	0.390	0.234	0.229
## m_community 65	0.384	0.384	0.240	0.232
## m_community 66	0.325	0.325	0.184	0.207
## m_community 67	0.343	0.343	0.193	0.253
## m_community 68	0.338	0.338	0.199	0.172
## m_community 69	0.352	0.352	0.229	0.273
## m_community 70	0.383	0.383	0.245	0.217
## m_community 71	0.429	0.429	0.254	0.259
## m_community 72	0.376	0.376	0.237	0.200
## m_community 73	0.569	0.569	0.308	0.433
##	m_community 33	m_community 34	m_community 35	m_community 36
## m_community 1	0.324	0.261	0.312	0.294
## m_community 2	0.300	0.244	0.246	0.270
## m_community 3	0.282	0.260	0.212	0.243
## m_community 4	0.308	0.272	0.307	0.294
## m_community 5	0.323	0.241	0.309	0.291
## m_community 6	0.299	0.256	0.256	0.261
## m_community 7	0.374	0.309	0.364	0.350
## m_community 8	0.312	0.255	0.329	0.294
## m_community 9	0.341	0.260	0.328	0.310
## m_community 10	0.353	0.274	0.339	0.325
## m_community 11	0.350	0.269	0.337	0.318
## m_community 12	0.243	0.215	0.285	0.233

## m_community 13	0.344	0.280	0.337	0.317
## m_community 14	0.280	0.230	0.311	0.265
## m_community 15	0.334	0.254	0.321	0.304
## m_community 16	0.270	0.246	0.235	0.241
## m_community 17	0.328	0.251	0.317	0.298
## m_community 18	0.336	0.276	0.299	0.309
## m_community 19	0.423	0.350	0.410	0.394
## m_community 20	0.331	0.330	0.344	0.328
## m_community 21	0.252	0.216	0.304	0.243
## m_community 22	0.323	0.303	0.232	0.273
## m_community 23	0.295	0.254	0.343	0.287
## m_community 24	0.407	0.313	0.387	0.371
## m_community 25	0.314	0.269	0.278	0.284
## m_community 26	0.291	0.233	0.212	0.233
## m_community 27	0.297	0.280	0.207	0.257
## m_community 28	0.291	0.281	0.321	0.298
## m_community 29	0.343	0.257	0.327	0.313
## m_community 30	0.343	0.257	0.327	0.313
## m_community 31	0.266	0.237	0.179	0.239
## m_community 32	0.308	0.254	0.223	0.251
## m_community 33	NA	0.250	0.286	0.257
## m_community 34	0.250	NA	0.268	0.225
## m_community 35	0.286	0.268	NA	0.248
## m_community 36	0.257	0.225	0.248	NA
## m_community 37	0.237	0.209	0.284	0.227
## m_community 38	0.257	0.219	0.296	0.244
## m_community 39	0.315	0.287	0.255	0.282
## m_community 40	0.242	0.201	0.287	0.230
## m_community 41	0.329	0.264	0.325	0.309
## m_community 42	0.256	0.177	0.245	0.220
## m_community 43	0.281	0.211	0.290	0.255
## m_community 44	0.242	0.163	0.217	0.203
## m_community 45	0.236	0.174	0.225	0.201
## m_community 46	0.252	0.200	0.257	0.231
## m_community 47	0.230	0.183	0.272	0.214
## m_community 48	0.289	0.242	0.325	0.278
## m_community 49	0.259	0.218	0.306	0.250
## m_community 50	0.234	0.168	0.223	0.198

## m_community 51	0.251	0.162	0.240	0.211
## m_community 52	0.294	0.207	0.281	0.259
## m_community 53	0.230	0.200	0.254	0.213
## m_community 54	0.257	0.229	0.203	0.219
## m_community 55	0.305	0.281	0.239	0.270
## m_community 56	0.265	0.233	0.170	0.209
## m_community 57	0.284	0.258	0.151	0.222
## m_community 58	0.231	0.234	0.199	0.204
## m_community 59	0.225	0.231	0.311	0.235
## m_community 60	0.224	0.230	0.311	0.235
## m_community 61	0.260	0.201	0.183	0.199
## m_community 62	0.229	0.232	0.302	0.241
## m_community 63	0.230	0.213	0.216	0.202
## m_community 64	0.275	0.260	0.209	0.234
## m_community 65	0.266	0.246	0.218	0.226
## m_community 66	0.239	0.188	0.195	0.192
## m_community 67	0.229	0.178	0.224	0.203
## m_community 68	0.274	0.225	0.174	0.207
## m_community 69	0.219	0.166	0.256	0.199
## m_community 70	0.272	0.255	0.211	0.225
## m_community 71	0.285	0.295	0.224	0.257
## m_community 72	0.279	0.259	0.197	0.224
## m_community 73	0.287	0.378	0.310	0.341
##	m_community 37	m_community 38	m_community 39	m_community 40
## m_community 1	0.311	0.299	0.301	0.297
## m_community 2	0.293	0.280	0.265	0.280
## m_community 3	0.263	0.283	0.275	0.270
## m_community 4	0.296	0.302	0.322	0.290
## m_community 5	0.308	0.277	0.270	0.285
## m_community 6	0.279	0.277	0.268	0.275
## m_community 7	0.365	0.324	0.305	0.343
## m_community 8	0.284	0.264	0.300	0.270
## m_community 9	0.329	0.293	0.281	0.304
## m_community 10	0.346	0.299	0.273	0.319
## m_community 11	0.335	0.305	0.298	0.312
## m_community 12	0.192	0.217	0.322	0.198
## m_community 13	0.324	0.306	0.315	0.309
## m_community 14	0.241	0.238	0.305	0.234

## m_community 15	0.323	0.285	0.272	0.298
## m_community 16	0.249	0.273	0.294	0.255
## m_community 17	0.312	0.285	0.283	0.291
## m_community 18	0.330	0.302	0.281	0.312
## m_community 19	0.410	0.373	0.356	0.388
## m_community 20	0.309	0.331	0.381	0.317
## m_community 21	0.198	0.214	0.322	0.200
## m_community 22	0.311	0.320	0.273	0.317
## m_community 23	0.250	0.247	0.333	0.245
## m_community 24	0.398	0.352	0.325	0.368
## m_community 25	0.304	0.306	0.299	0.297
## m_community 26	0.270	0.271	0.238	0.265
## m_community 27	0.294	0.304	0.255	0.298
## m_community 28	0.279	0.280	0.319	0.277
## m_community 29	0.337	0.286	0.257	0.307
## m_community 30	0.337	0.286	0.257	0.307
## m_community 31	0.264	0.277	0.262	0.263
## m_community 32	0.292	0.284	0.235	0.286
## m_community 33	0.237	0.257	0.315	0.242
## m_community 34	0.209	0.219	0.287	0.201
## m_community 35	0.284	0.296	0.255	0.287
## m_community 36	0.227	0.244	0.282	0.230
## m_community 37	NA	0.209	0.314	0.192
## m_community 38	0.209	NA	0.308	0.209
## m_community 39	0.314	0.308	NA	0.310
## m_community 40	0.192	0.209	0.310	NA
## m_community 41	0.322	0.285	0.274	0.299
## m_community 42	0.231	0.235	0.264	0.217
## m_community 43	0.251	0.240	0.279	0.236
## m_community 44	0.212	0.227	0.263	0.202
## m_community 45	0.212	0.232	0.266	0.207
## m_community 46	0.220	0.233	0.288	0.215
## m_community 47	0.175	0.200	0.308	0.177
## m_community 48	0.252	0.239	0.301	0.243
## m_community 49	0.212	0.218	0.310	0.209
## m_community 50	0.208	0.229	0.266	0.202
## m_community 51	0.219	0.226	0.264	0.205
## m_community 52	0.274	0.254	0.260	0.253

## m_community 53	0.177	0.207	0.307	0.184
## m_community 54	0.227	0.252	0.272	0.235
## m_community 55	0.292	0.315	0.305	0.298
## m_community 56	0.248	0.271	0.239	0.255
## m_community 57	0.271	0.288	0.228	0.279
## m_community 58	0.231	0.269	0.268	0.245
## m_community 59	0.156	0.193	0.354	0.175
## m_community 60	0.155	0.192	0.355	0.174
## m_community 61	0.231	0.251	0.240	0.231
## m_community 62	0.178	0.214	0.347	0.192
## m_community 63	0.208	0.241	0.275	0.218
## m_community 64	0.254	0.277	0.265	0.264
## m_community 65	0.233	0.257	0.271	0.244
## m_community 66	0.214	0.241	0.254	0.216
## m_community 67	0.207	0.237	0.282	0.205
## m_community 68	0.247	0.266	0.232	0.251
## m_community 69	0.163	0.194	0.304	0.165
## m_community 70	0.234	0.256	0.264	0.247
## m_community 71	0.276	0.302	0.281	0.290
## m_community 72	0.246	0.266	0.251	0.258
## m_community 73	0.333	0.376	0.372	0.353
##	m_community 41	m_community 42	m_community 43	m_community 44
## m_community 1	0.232	0.228	0.243	0.239
## m_community 2	0.211	0.211	0.225	0.209
## m_community 3	0.351	0.248	0.295	0.219
## m_community 4	0.319	0.259	0.289	0.248
## m_community 5	0.145	0.204	0.193	0.229
## m_community 6	0.273	0.240	0.259	0.236
## m_community 7	0.165	0.280	0.242	0.318
## m_community 8	0.202	0.246	0.227	0.264
## m_community 9	0.147	0.223	0.206	0.253
## m_community 10	0.106	0.236	0.197	0.279
## m_community 11	0.181	0.234	0.225	0.257
## m_community 12	0.343	0.238	0.263	0.214
## m_community 13	0.239	0.258	0.257	0.271
## m_community 14	0.246	0.233	0.231	0.236
## m_community 15	0.133	0.217	0.196	0.248
## m_community 16	0.350	0.234	0.286	0.206

## m_community 17	0.175	0.219	0.213	0.240
## m_community 18	0.181	0.244	0.231	0.262
## m_community 19	0.227	0.320	0.292	0.352
## m_community 20	0.418	0.342	0.365	0.323
## m_community 21	0.309	0.239	0.249	0.226
## m_community 22	0.349	0.285	0.319	0.269
## m_community 23	0.268	0.270	0.254	0.276
## m_community 24	0.161	0.266	0.241	0.305
## m_community 25	0.289	0.240	0.272	0.233
## m_community 26	0.271	0.203	0.243	0.191
## m_community 27	0.327	0.259	0.298	0.239
## m_community 28	0.288	0.287	0.283	0.288
## m_community 29	0.077	0.213	0.174	0.259
## m_community 30	0.077	0.213	0.174	0.259
## m_community 31	0.292	0.208	0.257	0.175
## m_community 32	0.249	0.222	0.246	0.220
## m_community 33	0.329	0.256	0.281	0.242
## m_community 34	0.264	0.177	0.211	0.163
## m_community 35	0.325	0.245	0.290	0.217
## m_community 36	0.309	0.220	0.255	0.203
## m_community 37	0.322	0.231	0.251	0.212
## m_community 38	0.285	0.235	0.240	0.227
## m_community 39	0.274	0.264	0.279	0.263
## m_community 40	0.299	0.217	0.236	0.202
## m_community 41	NA	0.233	0.204	0.267
## m_community 42	0.233	NA	0.193	0.133
## m_community 43	0.204	0.193	NA	0.199
## m_community 44	0.267	0.133	0.199	NA
## m_community 45	0.274	0.143	0.209	0.122
## m_community 46	0.282	0.191	0.229	0.172
## m_community 47	0.318	0.198	0.233	0.173
## m_community 48	0.211	0.246	0.223	0.261
## m_community 49	0.269	0.233	0.233	0.229
## m_community 50	0.277	0.138	0.207	0.115
## m_community 51	0.240	0.131	0.187	0.113
## m_community 52	0.164	0.169	0.181	0.181
## m_community 53	0.350	0.221	0.257	0.189
## m_community 54	0.350	0.223	0.276	0.188

## m_community 55	0.384	0.264	0.322	0.231
## m_community 56	0.335	0.206	0.271	0.175
## m_community 57	0.343	0.233	0.290	0.198
## m_community 58	0.346	0.205	0.278	0.184
## m_community 59	0.394	0.291	0.295	0.263
## m_community 60	0.394	0.291	0.295	0.264
## m_community 61	0.325	0.176	0.247	0.142
## m_community 62	0.392	0.276	0.296	0.246
## m_community 63	0.339	0.200	0.262	0.176
## m_community 64	0.372	0.254	0.304	0.224
## m_community 65	0.366	0.250	0.293	0.220
## m_community 66	0.319	0.160	0.237	0.129
## m_community 67	0.330	0.157	0.237	0.121
## m_community 68	0.335	0.200	0.266	0.168
## m_community 69	0.332	0.178	0.229	0.144
## m_community 70	0.366	0.262	0.298	0.235
## m_community 71	0.402	0.296	0.340	0.266
## m_community 72	0.363	0.258	0.299	0.231
## m_community 73	0.504	0.396	0.441	0.356
##	m_community 45	m_community 46	m_community 47	m_community 48
## m_community 1	0.241	0.276	0.296	0.273
## m_community 2	0.223	0.247	0.279	0.255
## m_community 3	0.223	0.254	0.251	0.326
## m_community 4	0.256	0.277	0.276	0.317
## m_community 5	0.240	0.261	0.294	0.217
## m_community 6	0.241	0.263	0.269	0.281
## m_community 7	0.326	0.328	0.364	0.244
## m_community 8	0.271	0.273	0.278	0.227
## m_community 9	0.263	0.281	0.317	0.225
## m_community 10	0.288	0.297	0.343	0.205
## m_community 11	0.269	0.289	0.321	0.249
## m_community 12	0.218	0.224	0.178	0.268
## m_community 13	0.281	0.296	0.311	0.276
## m_community 14	0.243	0.247	0.232	0.234
## m_community 15	0.258	0.275	0.312	0.214
## m_community 16	0.206	0.243	0.234	0.319
## m_community 17	0.251	0.270	0.297	0.235
## m_community 18	0.273	0.287	0.323	0.247

## m_community 19	0.362	0.371	0.404	0.302
## m_community 20	0.321	0.329	0.304	0.369
## m_community 21	0.231	0.230	0.187	0.247
## m_community 22	0.268	0.299	0.306	0.346
## m_community 23	0.280	0.272	0.247	0.242
## m_community 24	0.317	0.337	0.386	0.263
## m_community 25	0.237	0.273	0.288	0.307
## m_community 26	0.199	0.239	0.252	0.285
## m_community 27	0.243	0.273	0.286	0.330
## m_community 28	0.290	0.286	0.277	0.278
## m_community 29	0.269	0.281	0.332	0.186
## m_community 30	0.269	0.281	0.332	0.186
## m_community 31	0.191	0.223	0.247	0.299
## m_community 32	0.226	0.260	0.281	0.279
## m_community 33	0.236	0.252	0.230	0.289
## m_community 34	0.174	0.200	0.183	0.242
## m_community 35	0.225	0.257	0.272	0.325
## m_community 36	0.201	0.231	0.214	0.278
## m_community 37	0.212	0.220	0.175	0.252
## m_community 38	0.232	0.233	0.200	0.239
## m_community 39	0.266	0.288	0.308	0.301
## m_community 40	0.207	0.215	0.177	0.243
## m_community 41	0.274	0.282	0.318	0.211
## m_community 42	0.143	0.191	0.198	0.246
## m_community 43	0.209	0.229	0.233	0.223
## m_community 44	0.122	0.172	0.173	0.261
## m_community 45	NA	0.183	0.181	0.266
## m_community 46	0.183	NA	0.196	0.260
## m_community 47	0.181	0.196	NA	0.251
## m_community 48	0.266	0.260	0.251	NA
## m_community 49	0.235	0.233	0.203	0.230
## m_community 50	0.117	0.178	0.175	0.266
## m_community 51	0.129	0.178	0.180	0.246
## m_community 52	0.194	0.226	0.251	0.218
## m_community 53	0.195	0.206	0.160	0.269
## m_community 54	0.195	0.226	0.211	0.308
## m_community 55	0.236	0.275	0.275	0.362
## m_community 56	0.175	0.227	0.231	0.319

## m_community 57	0.206	0.247	0.259	0.333
## m_community 58	0.152	0.228	0.225	0.320
## m_community 59	0.261	0.238	0.158	0.265
## m_community 60	0.261	0.238	0.157	0.264
## m_community 61	0.152	0.205	0.201	0.305
## m_community 62	0.247	0.236	0.171	0.284
## m_community 63	0.158	0.214	0.195	0.296
## m_community 64	0.226	0.255	0.242	0.334
## m_community 65	0.222	0.246	0.222	0.315
## m_community 66	0.129	0.192	0.185	0.296
## m_community 67	0.127	0.182	0.169	0.298
## m_community 68	0.175	0.225	0.225	0.318
## m_community 69	0.154	0.179	0.134	0.259
## m_community 70	0.235	0.255	0.229	0.312
## m_community 71	0.264	0.285	0.270	0.360
## m_community 72	0.232	0.258	0.240	0.320
## m_community 73	0.348	0.348	0.331	0.447
##	m_community 49	m_community 50	m_community 51	m_community 52
## m_community 1	0.292	0.240	0.227	0.213
## m_community 2	0.275	0.223	0.210	0.195
## m_community 3	0.294	0.220	0.240	0.296
## m_community 4	0.302	0.252	0.249	0.281
## m_community 5	0.263	0.240	0.205	0.151
## m_community 6	0.279	0.239	0.236	0.246
## m_community 7	0.308	0.329	0.289	0.203
## m_community 8	0.255	0.271	0.246	0.210
## m_community 9	0.279	0.264	0.226	0.162
## m_community 10	0.280	0.291	0.245	0.147
## m_community 11	0.292	0.269	0.234	0.184
## m_community 12	0.222	0.213	0.223	0.288
## m_community 13	0.299	0.280	0.255	0.232
## m_community 14	0.233	0.241	0.227	0.229
## m_community 15	0.271	0.260	0.221	0.152
## m_community 16	0.281	0.203	0.225	0.288
## m_community 17	0.274	0.251	0.219	0.176
## m_community 18	0.291	0.275	0.249	0.195
## m_community 19	0.359	0.364	0.325	0.252
## m_community 20	0.336	0.318	0.336	0.383

## m_community 21	0.215	0.227	0.228	0.270
## m_community 22	0.331	0.267	0.282	0.312
## m_community 23	0.242	0.278	0.266	0.262
## m_community 24	0.334	0.319	0.271	0.185
## m_community 25	0.305	0.235	0.236	0.252
## m_community 26	0.277	0.196	0.195	0.222
## m_community 27	0.314	0.241	0.255	0.289
## m_community 28	0.277	0.289	0.286	0.286
## m_community 29	0.266	0.272	0.223	0.119
## m_community 30	0.266	0.272	0.223	0.119
## m_community 31	0.281	0.189	0.202	0.243
## m_community 32	0.288	0.225	0.219	0.221
## m_community 33	0.259	0.234	0.251	0.294
## m_community 34	0.218	0.168	0.162	0.207
## m_community 35	0.306	0.223	0.240	0.281
## m_community 36	0.250	0.198	0.211	0.259
## m_community 37	0.212	0.208	0.219	0.274
## m_community 38	0.218	0.229	0.226	0.254
## m_community 39	0.310	0.266	0.264	0.260
## m_community 40	0.209	0.202	0.205	0.253
## m_community 41	0.269	0.277	0.240	0.164
## m_community 42	0.233	0.138	0.131	0.169
## m_community 43	0.233	0.207	0.187	0.181
## m_community 44	0.229	0.115	0.113	0.181
## m_community 45	0.235	0.117	0.129	0.194
## m_community 46	0.233	0.178	0.178	0.226
## m_community 47	0.203	0.175	0.180	0.251
## m_community 48	0.230	0.266	0.246	0.218
## m_community 49	NA	0.232	0.225	0.244
## m_community 50	0.232	NA	0.122	0.192
## m_community 51	0.225	0.122	NA	0.164
## m_community 52	0.244	0.192	0.164	NA
## m_community 53	0.214	0.189	0.204	0.284
## m_community 54	0.264	0.190	0.211	0.283
## m_community 55	0.325	0.232	0.253	0.319
## m_community 56	0.284	0.172	0.197	0.264
## m_community 57	0.304	0.203	0.225	0.282
## m_community 58	0.279	0.152	0.207	0.278

## m_community 59	0.201	0.256	0.278	0.352
## m_community 60	0.200	0.256	0.278	0.352
## m_community 61	0.264	0.146	0.158	0.237
## m_community 62	0.221	0.241	0.262	0.342
## m_community 63	0.251	0.156	0.194	0.268
## m_community 64	0.292	0.222	0.243	0.312
## m_community 65	0.271	0.218	0.238	0.306
## m_community 66	0.251	0.123	0.145	0.229
## m_community 67	0.244	0.119	0.136	0.233
## m_community 68	0.281	0.170	0.185	0.256
## m_community 69	0.200	0.146	0.155	0.247
## m_community 70	0.271	0.232	0.253	0.313
## m_community 71	0.317	0.261	0.288	0.354
## m_community 72	0.282	0.229	0.250	0.309
## m_community 73	0.387	0.346	0.389	0.473
##	m_community 53	m_community 54	m_community 55	m_community 56
## m_community 1	0.319	0.314	0.345	0.291
## m_community 2	0.291	0.266	0.299	0.245
## m_community 3	0.234	0.199	0.247	0.178
## m_community 4	0.286	0.293	0.324	0.289
## m_community 5	0.329	0.325	0.358	0.305
## m_community 6	0.270	0.252	0.295	0.229
## m_community 7	0.395	0.392	0.416	0.375
## m_community 8	0.301	0.323	0.367	0.324
## m_community 9	0.352	0.348	0.378	0.327
## m_community 10	0.381	0.374	0.402	0.351
## m_community 11	0.354	0.350	0.381	0.331
## m_community 12	0.178	0.225	0.291	0.249
## m_community 13	0.333	0.337	0.366	0.325
## m_community 14	0.248	0.284	0.337	0.294
## m_community 15	0.348	0.343	0.374	0.323
## m_community 16	0.225	0.212	0.249	0.197
## m_community 17	0.328	0.327	0.358	0.310
## m_community 18	0.344	0.327	0.355	0.306
## m_community 19	0.436	0.431	0.454	0.412
## m_community 20	0.296	0.317	0.317	0.324
## m_community 21	0.193	0.250	0.314	0.275
## m_community 22	0.288	0.232	0.275	0.196

## m_community 23	0.260	0.309	0.369	0.329
## m_community 24	0.429	0.418	0.445	0.390
## m_community 25	0.296	0.271	0.316	0.254
## m_community 26	0.251	0.210	0.252	0.170
## m_community 27	0.269	0.218	0.255	0.181
## m_community 28	0.285	0.311	0.354	0.322
## m_community 29	0.374	0.365	0.395	0.340
## m_community 30	0.374	0.365	0.395	0.340
## m_community 31	0.236	0.195	0.229	0.175
## m_community 32	0.281	0.234	0.273	0.189
## m_community 33	0.230	0.257	0.305	0.265
## m_community 34	0.200	0.229	0.281	0.233
## m_community 35	0.254	0.203	0.239	0.170
## m_community 36	0.213	0.219	0.270	0.209
## m_community 37	0.177	0.227	0.292	0.248
## m_community 38	0.207	0.252	0.315	0.271
## m_community 39	0.307	0.272	0.305	0.239
## m_community 40	0.184	0.235	0.298	0.255
## m_community 41	0.350	0.350	0.384	0.335
## m_community 42	0.221	0.223	0.264	0.206
## m_community 43	0.257	0.276	0.322	0.271
## m_community 44	0.189	0.188	0.231	0.175
## m_community 45	0.195	0.195	0.236	0.175
## m_community 46	0.206	0.226	0.275	0.227
## m_community 47	0.160	0.211	0.275	0.231
## m_community 48	0.269	0.308	0.362	0.319
## m_community 49	0.214	0.264	0.325	0.284
## m_community 50	0.189	0.190	0.232	0.172
## m_community 51	0.204	0.211	0.253	0.197
## m_community 52	0.284	0.283	0.319	0.264
## m_community 53	NA	0.195	0.261	0.214
## m_community 54	0.195	NA	0.230	0.162
## m_community 55	0.261	0.230	NA	0.205
## m_community 56	0.214	0.162	0.205	NA
## m_community 57	0.231	0.159	0.200	0.109
## m_community 58	0.212	0.180	0.220	0.143
## m_community 59	0.144	0.227	0.312	0.279
## m_community 60	0.143	0.227	0.312	0.280

## m_community 61	0.194	0.159	0.205	0.122
## m_community 62	0.162	0.232	0.302	0.274
## m_community 63	0.187	0.182	0.230	0.161
## m_community 64	0.221	0.191	0.239	0.164
## m_community 65	0.203	0.188	0.243	0.170
## m_community 66	0.184	0.164	0.208	0.134
## m_community 67	0.178	0.184	0.225	0.174
## m_community 68	0.210	0.159	0.205	0.113
## m_community 69	0.140	0.188	0.251	0.206
## m_community 70	0.204	0.183	0.242	0.161
## m_community 71	0.243	0.213	0.256	0.190
## m_community 72	0.213	0.177	0.233	0.144
## m_community 73	0.305	0.311	0.330	0.327
##	m_community 57	m_community 58	m_community 59	m_community 60
## m_community 1	0.308	0.286	0.375	0.375
## m_community 2	0.242	0.260	0.354	0.354
## m_community 3	0.167	0.195	0.270	0.271
## m_community 4	0.303	0.293	0.320	0.320
## m_community 5	0.317	0.323	0.390	0.390
## m_community 6	0.225	0.258	0.310	0.310
## m_community 7	0.377	0.398	0.436	0.436
## m_community 8	0.335	0.332	0.318	0.318
## m_community 9	0.337	0.346	0.412	0.411
## m_community 10	0.357	0.372	0.437	0.437
## m_community 11	0.342	0.350	0.414	0.413
## m_community 12	0.271	0.237	0.157	0.156
## m_community 13	0.335	0.345	0.375	0.375
## m_community 14	0.312	0.296	0.252	0.251
## m_community 15	0.332	0.341	0.407	0.406
## m_community 16	0.203	0.190	0.258	0.259
## m_community 17	0.321	0.328	0.384	0.383
## m_community 18	0.304	0.325	0.397	0.397
## m_community 19	0.417	0.438	0.484	0.484
## m_community 20	0.333	0.311	0.288	0.288
## m_community 21	0.297	0.268	0.171	0.170
## m_community 22	0.175	0.230	0.328	0.329
## m_community 23	0.346	0.326	0.242	0.241
## m_community 24	0.400	0.414	0.501	0.501

## m_community 25	0.262	0.249	0.343	0.344
## m_community 26	0.162	0.214	0.320	0.321
## m_community 27	0.162	0.217	0.321	0.321
## m_community 28	0.334	0.310	0.277	0.277
## m_community 29	0.346	0.360	0.437	0.437
## m_community 30	0.346	0.360	0.437	0.437
## m_community 31	0.163	0.184	0.300	0.301
## m_community 32	0.175	0.238	0.348	0.348
## m_community 33	0.284	0.231	0.225	0.224
## m_community 34	0.258	0.234	0.231	0.230
## m_community 35	0.151	0.199	0.311	0.311
## m_community 36	0.222	0.204	0.235	0.235
## m_community 37	0.271	0.231	0.156	0.155
## m_community 38	0.288	0.269	0.193	0.192
## m_community 39	0.228	0.268	0.354	0.355
## m_community 40	0.279	0.245	0.175	0.174
## m_community 41	0.343	0.346	0.394	0.394
## m_community 42	0.233	0.205	0.291	0.291
## m_community 43	0.290	0.278	0.295	0.295
## m_community 44	0.198	0.184	0.263	0.264
## m_community 45	0.206	0.152	0.261	0.261
## m_community 46	0.247	0.228	0.238	0.238
## m_community 47	0.259	0.225	0.158	0.157
## m_community 48	0.333	0.320	0.265	0.264
## m_community 49	0.304	0.279	0.201	0.200
## m_community 50	0.203	0.152	0.256	0.256
## m_community 51	0.225	0.207	0.278	0.278
## m_community 52	0.282	0.278	0.352	0.352
## m_community 53	0.231	0.212	0.144	0.143
## m_community 54	0.159	0.180	0.227	0.227
## m_community 55	0.200	0.220	0.312	0.312
## m_community 56	0.109	0.143	0.279	0.280
## m_community 57	NA	0.163	0.299	0.300
## m_community 58	0.163	NA	0.252	0.253
## m_community 59	0.299	0.252	NA	0.060
## m_community 60	0.300	0.253	0.060	NA
## m_community 61	0.122	0.163	0.267	0.268
## m_community 62	0.297	0.250	0.107	0.106

## m_community 63	0.181	0.118	0.216	0.216
## m_community 64	0.153	0.198	0.254	0.254
## m_community 65	0.162	0.202	0.223	0.223
## m_community 66	0.151	0.131	0.251	0.251
## m_community 67	0.205	0.157	0.236	0.236
## m_community 68	0.101	0.166	0.281	0.282
## m_community 69	0.238	0.200	0.149	0.148
## m_community 70	0.144	0.203	0.218	0.218
## m_community 71	0.174	0.216	0.262	0.262
## m_community 72	0.123	0.195	0.240	0.241
## m_community 73	0.332	0.280	0.280	0.280
##	m_community 61	m_community 62	m_community 63	m_community 64
## m_community 1	0.278	0.369	0.289	0.337
## m_community 2	0.246	0.347	0.267	0.299
## m_community 3	0.182	0.275	0.208	0.210
## m_community 4	0.270	0.308	0.284	0.307
## m_community 5	0.285	0.384	0.314	0.351
## m_community 6	0.220	0.312	0.254	0.255
## m_community 7	0.364	0.438	0.387	0.408
## m_community 8	0.308	0.329	0.313	0.347
## m_community 9	0.309	0.407	0.337	0.372
## m_community 10	0.340	0.435	0.365	0.396
## m_community 11	0.310	0.408	0.340	0.374
## m_community 12	0.229	0.178	0.213	0.253
## m_community 13	0.305	0.373	0.331	0.354
## m_community 14	0.274	0.266	0.272	0.310
## m_community 15	0.306	0.402	0.333	0.367
## m_community 16	0.196	0.259	0.200	0.230
## m_community 17	0.289	0.379	0.317	0.350
## m_community 18	0.305	0.395	0.326	0.352
## m_community 19	0.397	0.484	0.427	0.448
## m_community 20	0.322	0.295	0.304	0.329
## m_community 21	0.253	0.194	0.237	0.277
## m_community 22	0.203	0.335	0.247	0.223
## m_community 23	0.313	0.266	0.297	0.336
## m_community 24	0.371	0.494	0.406	0.443
## m_community 25	0.248	0.343	0.265	0.297
## m_community 26	0.158	0.315	0.216	0.210

## m_community 27	0.190	0.313	0.230	0.211
## m_community 28	0.317	0.280	0.300	0.325
## m_community 29	0.328	0.433	0.354	0.390
## m_community 30	0.328	0.433	0.354	0.390
## m_community 31	0.192	0.288	0.204	0.234
## m_community 32	0.183	0.346	0.242	0.229
## m_community 33	0.260	0.229	0.230	0.275
## m_community 34	0.201	0.232	0.213	0.260
## m_community 35	0.183	0.302	0.216	0.209
## m_community 36	0.199	0.241	0.202	0.234
## m_community 37	0.231	0.178	0.208	0.254
## m_community 38	0.251	0.214	0.241	0.277
## m_community 39	0.240	0.347	0.275	0.265
## m_community 40	0.231	0.192	0.218	0.264
## m_community 41	0.325	0.392	0.339	0.372
## m_community 42	0.176	0.276	0.200	0.254
## m_community 43	0.247	0.296	0.262	0.304
## m_community 44	0.142	0.246	0.176	0.224
## m_community 45	0.152	0.247	0.158	0.226
## m_community 46	0.205	0.236	0.214	0.255
## m_community 47	0.201	0.171	0.195	0.242
## m_community 48	0.305	0.284	0.296	0.334
## m_community 49	0.264	0.221	0.251	0.292
## m_community 50	0.146	0.241	0.156	0.222
## m_community 51	0.158	0.262	0.194	0.243
## m_community 52	0.237	0.342	0.268	0.312
## m_community 53	0.194	0.162	0.187	0.221
## m_community 54	0.159	0.232	0.182	0.191
## m_community 55	0.205	0.302	0.230	0.239
## m_community 56	0.122	0.274	0.161	0.164
## m_community 57	0.122	0.297	0.181	0.153
## m_community 58	0.163	0.250	0.118	0.198
## m_community 59	0.267	0.107	0.216	0.254
## m_community 60	0.268	0.106	0.216	0.254
## m_community 61	NA	0.258	0.163	0.161
## m_community 62	0.258	NA	0.219	0.254
## m_community 63	0.163	0.219	NA	0.200
## m_community 64	0.161	0.254	0.200	NA

## m_community 65	0.164	0.232	0.196	0.182
## m_community 66	0.117	0.239	0.141	0.180
## m_community 67	0.145	0.215	0.157	0.210
## m_community 68	0.101	0.275	0.170	0.149
## m_community 69	0.171	0.156	0.171	0.220
## m_community 70	0.159	0.236	0.196	0.171
## m_community 71	0.196	0.260	0.222	0.193
## m_community 72	0.145	0.254	0.193	0.160
## m_community 73	0.345	0.245	0.299	0.293
##	m_community 65	m_community 66	m_community 67	m_community 68
## m_community 1	0.333	0.265	0.276	0.291
## m_community 2	0.299	0.241	0.254	0.255
## m_community 3	0.211	0.191	0.219	0.176
## m_community 4	0.305	0.262	0.252	0.284
## m_community 5	0.344	0.281	0.291	0.300
## m_community 6	0.253	0.232	0.257	0.217
## m_community 7	0.401	0.367	0.385	0.369
## m_community 8	0.333	0.302	0.308	0.320
## m_community 9	0.365	0.306	0.319	0.321
## m_community 10	0.389	0.339	0.357	0.348
## m_community 11	0.368	0.307	0.317	0.323
## m_community 12	0.233	0.215	0.205	0.247
## m_community 13	0.348	0.304	0.312	0.316
## m_community 14	0.293	0.264	0.262	0.290
## m_community 15	0.361	0.302	0.316	0.318
## m_community 16	0.228	0.188	0.200	0.201
## m_community 17	0.344	0.286	0.295	0.303
## m_community 18	0.349	0.303	0.320	0.311
## m_community 19	0.441	0.400	0.417	0.404
## m_community 20	0.321	0.312	0.308	0.329
## m_community 21	0.255	0.239	0.229	0.271
## m_community 22	0.229	0.228	0.275	0.184
## m_community 23	0.314	0.302	0.299	0.327
## m_community 24	0.438	0.369	0.386	0.384
## m_community 25	0.297	0.241	0.253	0.256
## m_community 26	0.212	0.177	0.214	0.152
## m_community 27	0.220	0.209	0.243	0.176
## m_community 28	0.317	0.305	0.293	0.328

## m_community 29	0.384	0.325	0.343	0.338
## m_community 30	0.384	0.325	0.343	0.338
## m_community 31	0.240	0.184	0.193	0.199
## m_community 32	0.232	0.207	0.253	0.172
## m_community 33	0.266	0.239	0.229	0.274
## m_community 34	0.246	0.188	0.178	0.225
## m_community 35	0.218	0.195	0.224	0.174
## m_community 36	0.226	0.192	0.203	0.207
## m_community 37	0.233	0.214	0.207	0.247
## m_community 38	0.257	0.241	0.237	0.266
## m_community 39	0.271	0.254	0.282	0.232
## m_community 40	0.244	0.216	0.205	0.251
## m_community 41	0.366	0.319	0.330	0.335
## m_community 42	0.250	0.160	0.157	0.200
## m_community 43	0.293	0.237	0.237	0.266
## m_community 44	0.220	0.129	0.121	0.168
## m_community 45	0.222	0.129	0.127	0.175
## m_community 46	0.246	0.192	0.182	0.225
## m_community 47	0.222	0.185	0.169	0.225
## m_community 48	0.315	0.296	0.298	0.318
## m_community 49	0.271	0.251	0.244	0.281
## m_community 50	0.218	0.123	0.119	0.170
## m_community 51	0.238	0.145	0.136	0.185
## m_community 52	0.306	0.229	0.233	0.256
## m_community 53	0.203	0.184	0.178	0.210
## m_community 54	0.188	0.164	0.184	0.159
## m_community 55	0.243	0.208	0.225	0.205
## m_community 56	0.170	0.134	0.174	0.113
## m_community 57	0.162	0.151	0.205	0.101
## m_community 58	0.202	0.131	0.157	0.166
## m_community 59	0.223	0.251	0.236	0.281
## m_community 60	0.223	0.251	0.236	0.282
## m_community 61	0.164	0.117	0.145	0.101
## m_community 62	0.232	0.239	0.215	0.275
## m_community 63	0.196	0.141	0.157	0.170
## m_community 64	0.182	0.180	0.210	0.149
## m_community 65	NA	0.181	0.210	0.155
## m_community 66	0.181	NA	0.124	0.128

## m_community 67	0.210	0.124	NA	0.171
## m_community 68	0.155	0.128	0.171	NA
## m_community 69	0.203	0.154	0.135	0.198
## m_community 70	0.166	0.185	0.228	0.142
## m_community 71	0.200	0.215	0.240	0.180
## m_community 72	0.159	0.176	0.227	0.124
## m_community 73	0.312	0.323	0.274	0.350
##	m_community 69	m_community 70	m_community 71	m_community 72
## m_community 1	0.292	0.336	0.371	0.332
## m_community 2	0.276	0.301	0.328	0.294
## m_community 3	0.233	0.203	0.228	0.194
## m_community 4	0.263	0.315	0.324	0.314
## m_community 5	0.300	0.347	0.389	0.342
## m_community 6	0.261	0.245	0.279	0.237
## m_community 7	0.382	0.396	0.437	0.392
## m_community 8	0.286	0.331	0.376	0.334
## m_community 9	0.326	0.367	0.409	0.361
## m_community 10	0.362	0.387	0.432	0.381
## m_community 11	0.326	0.370	0.412	0.365
## m_community 12	0.163	0.235	0.274	0.247
## m_community 13	0.311	0.348	0.385	0.346
## m_community 14	0.231	0.293	0.338	0.301
## m_community 15	0.323	0.362	0.405	0.357
## m_community 16	0.213	0.229	0.251	0.225
## m_community 17	0.301	0.346	0.386	0.342
## m_community 18	0.331	0.348	0.381	0.341
## m_community 19	0.418	0.438	0.481	0.433
## m_community 20	0.293	0.322	0.335	0.327
## m_community 21	0.179	0.256	0.300	0.269
## m_community 22	0.293	0.212	0.240	0.195
## m_community 23	0.250	0.311	0.360	0.323
## m_community 24	0.399	0.439	0.486	0.431
## m_community 25	0.276	0.300	0.323	0.293
## m_community 26	0.236	0.202	0.242	0.187
## m_community 27	0.271	0.210	0.224	0.195
## m_community 28	0.278	0.322	0.331	0.329
## m_community 29	0.352	0.383	0.429	0.376
## m_community 30	0.352	0.383	0.429	0.376

## m_community 31	0.229	0.245	0.254	0.237
## m_community 32	0.273	0.217	0.259	0.200
## m_community 33	0.219	0.272	0.285	0.279
## m_community 34	0.166	0.255	0.295	0.259
## m_community 35	0.256	0.211	0.224	0.197
## m_community 36	0.199	0.225	0.257	0.224
## m_community 37	0.163	0.234	0.276	0.246
## m_community 38	0.194	0.256	0.302	0.266
## m_community 39	0.304	0.264	0.281	0.251
## m_community 40	0.165	0.247	0.290	0.258
## m_community 41	0.332	0.366	0.402	0.363
## m_community 42	0.178	0.262	0.296	0.258
## m_community 43	0.229	0.298	0.340	0.299
## m_community 44	0.144	0.235	0.266	0.231
## m_community 45	0.154	0.235	0.264	0.232
## m_community 46	0.179	0.255	0.285	0.258
## m_community 47	0.134	0.229	0.270	0.240
## m_community 48	0.259	0.312	0.360	0.320
## m_community 49	0.200	0.271	0.317	0.282
## m_community 50	0.146	0.232	0.261	0.229
## m_community 51	0.155	0.253	0.288	0.250
## m_community 52	0.247	0.313	0.354	0.309
## m_community 53	0.140	0.204	0.243	0.213
## m_community 54	0.188	0.183	0.213	0.177
## m_community 55	0.251	0.242	0.256	0.233
## m_community 56	0.206	0.161	0.190	0.144
## m_community 57	0.238	0.144	0.174	0.123
## m_community 58	0.200	0.203	0.216	0.195
## m_community 59	0.149	0.218	0.262	0.240
## m_community 60	0.148	0.218	0.262	0.241
## m_community 61	0.171	0.159	0.196	0.145
## m_community 62	0.156	0.236	0.260	0.254
## m_community 63	0.171	0.196	0.222	0.193
## m_community 64	0.220	0.171	0.193	0.160
## m_community 65	0.203	0.166	0.200	0.159
## m_community 66	0.154	0.185	0.215	0.176
## m_community 67	0.135	0.228	0.240	0.227
## m_community 68	0.198	0.142	0.180	0.124

## m_community 69	NA	0.213	0.252	0.222
## m_community 70	0.213	NA	0.189	0.136
## m_community 71	0.252	0.189	NA	0.179
## m_community 72	0.222	0.136	0.179	NA
## m_community 73	0.312	0.335	0.246	0.341
##	m_community 73			
## m_community 1	0.478			
## m_community 2	0.426			
## m_community 3	0.328			
## m_community 4	0.351			
## m_community 5	0.513			
## m_community 6	0.399			
## m_community 7	0.558			
## m_community 8	0.475			
## m_community 9	0.537			
## m_community 10	0.566			
## m_community 11	0.537			
## m_community 12	0.323			
## m_community 13	0.488			
## m_community 14	0.420			
## m_community 15	0.532			
## m_community 16	0.323			
## m_community 17	0.504			
## m_community 18	0.491			
## m_community 19	0.607			
## m_community 20	0.347			
## m_community 21	0.359			
## m_community 22	0.377			
## m_community 23	0.437			
## m_community 24	0.635			
## m_community 25	0.410			
## m_community 26	0.405			
## m_community 27	0.321			
## m_community 28	0.325			
## m_community 29	0.569			
## m_community 30	0.569			
## m_community 31	0.308			
## m_community 32	0.433			

## m_community 33	0.287
## m_community 34	0.378
## m_community 35	0.310
## m_community 36	0.341
## m_community 37	0.333
## m_community 38	0.376
## m_community 39	0.372
## m_community 40	0.353
## m_community 41	0.504
## m_community 42	0.396
## m_community 43	0.441
## m_community 44	0.356
## m_community 45	0.348
## m_community 46	0.348
## m_community 47	0.331
## m_community 48	0.447
## m_community 49	0.387
## m_community 50	0.346
## m_community 51	0.389
## m_community 52	0.473
## m_community 53	0.305
## m_community 54	0.311
## m_community 55	0.330
## m_community 56	0.327
## m_community 57	0.332
## m_community 58	0.280
## m_community 59	0.280
## m_community 60	0.280
## m_community 61	0.345
## m_community 62	0.245
## m_community 63	0.299
## m_community 64	0.293
## m_community 65	0.312
## m_community 66	0.323
## m_community 67	0.274
## m_community 68	0.350
## m_community 69	0.312
## m_community 70	0.335

```

## m_community 71      0.246
## m_community 72      0.341
## m_community 73      NA
##
## $null_Beta_MPD_mean
##      m_community 1 m_community 2 m_community 3 m_community 4
## m_community 1      NA      0.266      0.264      0.263
## m_community 2      0.266      NA      0.261      0.263
## m_community 3      0.264      0.261      NA      0.262
## m_community 4      0.263      0.263      0.262      NA
## m_community 5      0.261      0.260      0.260      0.260
## m_community 6      0.264      0.261      0.261      0.261
## m_community 7      0.264      0.259      0.262      0.264
## m_community 8      0.268      0.262      0.263      0.263
## m_community 9      0.264      0.261      0.263      0.262
## m_community 10     0.266      0.262      0.264      0.262
## m_community 11     0.263      0.258      0.260      0.260
## m_community 12     0.265      0.261      0.264      0.259
## m_community 13     0.262      0.258      0.259      0.258
## m_community 14     0.266      0.262      0.261      0.257
## m_community 15     0.262      0.261      0.264      0.259
## m_community 16     0.264      0.261      0.261      0.261
## m_community 17     0.266      0.260      0.261      0.258
## m_community 18     0.264      0.262      0.260      0.257
## m_community 19     0.259      0.256      0.263      0.252
## m_community 20     0.265      0.263      0.264      0.262
## m_community 21     0.264      0.261      0.262      0.261
## m_community 22     0.270      0.262      0.266      0.264
## m_community 23     0.256      0.258      0.257      0.255
## m_community 24     0.265      0.262      0.267      0.261
## m_community 25     0.261      0.258      0.260      0.259
## m_community 26     0.265      0.261      0.263      0.258
## m_community 27     0.261      0.263      0.260      0.257
## m_community 28     0.265      0.258      0.264      0.266
## m_community 29     0.262      0.261      0.257      0.260
## m_community 30     0.260      0.264      0.259      0.256
## m_community 31     0.265      0.260      0.260      0.259
## m_community 32     0.264      0.258      0.260      0.256

```

## m_community 33	0.263	0.258	0.258	0.258
## m_community 34	0.270	0.263	0.265	0.264
## m_community 35	0.263	0.261	0.262	0.262
## m_community 36	0.265	0.261	0.261	0.260
## m_community 37	0.266	0.263	0.264	0.264
## m_community 38	0.264	0.260	0.260	0.260
## m_community 39	0.260	0.257	0.259	0.259
## m_community 40	0.263	0.261	0.261	0.261
## m_community 41	0.266	0.261	0.261	0.260
## m_community 42	0.265	0.262	0.262	0.260
## m_community 43	0.265	0.261	0.258	0.260
## m_community 44	0.265	0.264	0.268	0.267
## m_community 45	0.264	0.261	0.262	0.260
## m_community 46	0.264	0.260	0.262	0.260
## m_community 47	0.267	0.262	0.263	0.263
## m_community 48	0.263	0.262	0.261	0.259
## m_community 49	0.263	0.260	0.259	0.257
## m_community 50	0.263	0.258	0.260	0.258
## m_community 51	0.260	0.260	0.265	0.260
## m_community 52	0.261	0.260	0.262	0.262
## m_community 53	0.265	0.261	0.258	0.262
## m_community 54	0.263	0.263	0.261	0.260
## m_community 55	0.266	0.260	0.264	0.262
## m_community 56	0.261	0.259	0.259	0.260
## m_community 57	0.260	0.258	0.257	0.258
## m_community 58	0.264	0.261	0.261	0.261
## m_community 59	0.265	0.261	0.260	0.261
## m_community 60	0.261	0.260	0.259	0.257
## m_community 61	0.257	0.259	0.263	0.257
## m_community 62	0.268	0.261	0.265	0.261
## m_community 63	0.268	0.264	0.262	0.265
## m_community 64	0.260	0.260	0.260	0.260
## m_community 65	0.267	0.261	0.261	0.262
## m_community 66	0.265	0.263	0.262	0.265
## m_community 67	0.261	0.262	0.260	0.260
## m_community 68	0.266	0.263	0.264	0.267
## m_community 69	0.265	0.260	0.262	0.262
## m_community 70	0.266	0.267	0.269	0.267

## m_community 71	0.264	0.263	0.261	0.262
## m_community 72	0.266	0.259	0.267	0.262
## m_community 73	0.246	0.252	0.257	0.249
##	m_community 5	m_community 6	m_community 7	m_community 8
## m_community 1	0.261	0.264	0.264	0.268
## m_community 2	0.260	0.261	0.259	0.262
## m_community 3	0.260	0.261	0.262	0.263
## m_community 4	0.260	0.261	0.264	0.263
## m_community 5	NA	0.259	0.262	0.262
## m_community 6	0.259	NA	0.260	0.260
## m_community 7	0.262	0.260	NA	0.259
## m_community 8	0.262	0.260	0.259	NA
## m_community 9	0.260	0.261	0.259	0.260
## m_community 10	0.259	0.262	0.259	0.263
## m_community 11	0.259	0.256	0.265	0.256
## m_community 12	0.261	0.261	0.264	0.262
## m_community 13	0.257	0.259	0.254	0.258
## m_community 14	0.260	0.261	0.259	0.259
## m_community 15	0.259	0.259	0.260	0.261
## m_community 16	0.260	0.261	0.259	0.261
## m_community 17	0.261	0.258	0.261	0.262
## m_community 18	0.257	0.256	0.253	0.255
## m_community 19	0.255	0.258	0.257	0.259
## m_community 20	0.260	0.260	0.259	0.263
## m_community 21	0.260	0.261	0.260	0.261
## m_community 22	0.262	0.262	0.265	0.265
## m_community 23	0.256	0.257	0.261	0.260
## m_community 24	0.263	0.263	0.258	0.259
## m_community 25	0.257	0.258	0.256	0.262
## m_community 26	0.262	0.263	0.259	0.265
## m_community 27	0.256	0.258	0.256	0.258
## m_community 28	0.259	0.260	0.251	0.261
## m_community 29	0.258	0.257	0.261	0.260
## m_community 30	0.260	0.258	0.272	0.262
## m_community 31	0.259	0.260	0.260	0.259
## m_community 32	0.257	0.260	0.258	0.261
## m_community 33	0.258	0.258	0.256	0.258
## m_community 34	0.265	0.263	0.268	0.265

## m_community 35	0.262	0.261	0.261	0.260
## m_community 36	0.260	0.260	0.257	0.260
## m_community 37	0.263	0.262	0.263	0.262
## m_community 38	0.258	0.259	0.259	0.258
## m_community 39	0.256	0.261	0.256	0.261
## m_community 40	0.260	0.261	0.259	0.261
## m_community 41	0.258	0.260	0.258	0.258
## m_community 42	0.259	0.261	0.259	0.263
## m_community 43	0.259	0.259	0.261	0.259
## m_community 44	0.265	0.264	0.266	0.267
## m_community 45	0.262	0.260	0.262	0.260
## m_community 46	0.260	0.260	0.257	0.261
## m_community 47	0.262	0.260	0.263	0.261
## m_community 48	0.260	0.260	0.258	0.259
## m_community 49	0.260	0.261	0.262	0.260
## m_community 50	0.258	0.259	0.257	0.260
## m_community 51	0.256	0.259	0.258	0.258
## m_community 52	0.262	0.260	0.255	0.258
## m_community 53	0.259	0.261	0.261	0.262
## m_community 54	0.261	0.261	0.263	0.261
## m_community 55	0.260	0.262	0.262	0.262
## m_community 56	0.261	0.261	0.261	0.261
## m_community 57	0.253	0.256	0.257	0.261
## m_community 58	0.262	0.261	0.257	0.258
## m_community 59	0.259	0.260	0.264	0.261
## m_community 60	0.260	0.259	0.260	0.260
## m_community 61	0.262	0.257	0.259	0.261
## m_community 62	0.262	0.263	0.264	0.262
## m_community 63	0.261	0.264	0.260	0.262
## m_community 64	0.259	0.257	0.258	0.259
## m_community 65	0.259	0.261	0.257	0.261
## m_community 66	0.267	0.266	0.254	0.265
## m_community 67	0.258	0.258	0.251	0.258
## m_community 68	0.265	0.265	0.258	0.266
## m_community 69	0.263	0.260	0.258	0.260
## m_community 70	0.262	0.264	0.253	0.260
## m_community 71	0.257	0.262	0.261	0.261
## m_community 72	0.263	0.261	0.252	0.256

## m_community 73	0.240	0.248	0.247	0.245
##	m_community 9	m_community 10	m_community 11	m_community 12
## m_community 1	0.264	0.266	0.263	0.265
## m_community 2	0.261	0.262	0.258	0.261
## m_community 3	0.263	0.264	0.260	0.264
## m_community 4	0.262	0.262	0.260	0.259
## m_community 5	0.260	0.259	0.259	0.261
## m_community 6	0.261	0.262	0.256	0.261
## m_community 7	0.259	0.259	0.265	0.264
## m_community 8	0.260	0.263	0.256	0.262
## m_community 9	NA	0.262	0.258	0.262
## m_community 10	0.262	NA	0.260	0.262
## m_community 11	0.258	0.260	NA	0.254
## m_community 12	0.262	0.262	0.254	NA
## m_community 13	0.258	0.259	0.255	0.257
## m_community 14	0.260	0.260	0.258	0.262
## m_community 15	0.258	0.266	0.255	0.262
## m_community 16	0.263	0.263	0.256	0.261
## m_community 17	0.261	0.262	0.259	0.261
## m_community 18	0.259	0.258	0.253	0.255
## m_community 19	0.257	0.263	0.261	0.263
## m_community 20	0.264	0.264	0.259	0.259
## m_community 21	0.261	0.266	0.258	0.261
## m_community 22	0.264	0.265	0.257	0.264
## m_community 23	0.257	0.261	0.257	0.258
## m_community 24	0.263	0.260	0.263	0.264
## m_community 25	0.260	0.259	0.258	0.259
## m_community 26	0.259	0.265	0.259	0.259
## m_community 27	0.259	0.258	0.253	0.259
## m_community 28	0.262	0.263	0.261	0.261
## m_community 29	0.257	0.261	0.255	0.256
## m_community 30	0.258	0.269	0.251	0.257
## m_community 31	0.261	0.262	0.257	0.260
## m_community 32	0.259	0.261	0.255	0.260
## m_community 33	0.258	0.257	0.250	0.257
## m_community 34	0.268	0.270	0.256	0.263
## m_community 35	0.261	0.261	0.258	0.259
## m_community 36	0.261	0.261	0.256	0.260

## m_community 37	0.263	0.266	0.260	0.262
## m_community 38	0.257	0.261	0.255	0.259
## m_community 39	0.257	0.262	0.254	0.259
## m_community 40	0.261	0.262	0.259	0.261
## m_community 41	0.260	0.261	0.256	0.260
## m_community 42	0.259	0.264	0.259	0.262
## m_community 43	0.260	0.263	0.256	0.260
## m_community 44	0.263	0.268	0.260	0.264
## m_community 45	0.261	0.260	0.260	0.260
## m_community 46	0.261	0.261	0.259	0.260
## m_community 47	0.262	0.264	0.257	0.260
## m_community 48	0.258	0.260	0.255	0.262
## m_community 49	0.260	0.262	0.256	0.259
## m_community 50	0.257	0.258	0.254	0.259
## m_community 51	0.257	0.258	0.252	0.259
## m_community 52	0.261	0.266	0.263	0.260
## m_community 53	0.262	0.262	0.257	0.261
## m_community 54	0.264	0.263	0.257	0.261
## m_community 55	0.262	0.263	0.260	0.261
## m_community 56	0.263	0.260	0.260	0.260
## m_community 57	0.260	0.258	0.249	0.259
## m_community 58	0.262	0.261	0.256	0.260
## m_community 59	0.260	0.263	0.257	0.262
## m_community 60	0.260	0.259	0.256	0.260
## m_community 61	0.259	0.258	0.262	0.260
## m_community 62	0.263	0.261	0.260	0.259
## m_community 63	0.263	0.268	0.254	0.258
## m_community 64	0.259	0.265	0.255	0.256
## m_community 65	0.260	0.265	0.258	0.261
## m_community 66	0.265	0.265	0.264	0.265
## m_community 67	0.261	0.260	0.256	0.260
## m_community 68	0.267	0.265	0.265	0.266
## m_community 69	0.260	0.264	0.254	0.262
## m_community 70	0.261	0.266	0.254	0.263
## m_community 71	0.261	0.262	0.258	0.261
## m_community 72	0.259	0.261	0.261	0.262
## m_community 73	0.247	0.257	0.250	0.250
##	m_community 13	m_community 14	m_community 15	m_community 16

## m_community 1	0.262	0.266	0.262	0.264
## m_community 2	0.258	0.262	0.261	0.261
## m_community 3	0.259	0.261	0.264	0.261
## m_community 4	0.258	0.257	0.259	0.261
## m_community 5	0.257	0.260	0.259	0.260
## m_community 6	0.259	0.261	0.259	0.261
## m_community 7	0.254	0.259	0.260	0.259
## m_community 8	0.258	0.259	0.261	0.261
## m_community 9	0.258	0.260	0.258	0.263
## m_community 10	0.259	0.260	0.266	0.263
## m_community 11	0.255	0.258	0.255	0.256
## m_community 12	0.257	0.262	0.262	0.261
## m_community 13	NA	0.257	0.261	0.261
## m_community 14	0.257	NA	0.259	0.263
## m_community 15	0.261	0.259	NA	0.259
## m_community 16	0.261	0.263	0.259	NA
## m_community 17	0.257	0.259	0.263	0.262
## m_community 18	0.254	0.262	0.260	0.259
## m_community 19	0.261	0.254	0.255	0.261
## m_community 20	0.256	0.261	0.262	0.260
## m_community 21	0.259	0.259	0.260	0.263
## m_community 22	0.264	0.269	0.266	0.266
## m_community 23	0.258	0.255	0.256	0.258
## m_community 24	0.260	0.260	0.261	0.263
## m_community 25	0.257	0.261	0.260	0.260
## m_community 26	0.258	0.264	0.265	0.262
## m_community 27	0.257	0.259	0.257	0.259
## m_community 28	0.257	0.259	0.263	0.262
## m_community 29	0.258	0.260	0.258	0.257
## m_community 30	0.259	0.260	0.257	0.265
## m_community 31	0.257	0.258	0.258	0.260
## m_community 32	0.256	0.258	0.258	0.260
## m_community 33	0.253	0.256	0.258	0.258
## m_community 34	0.258	0.266	0.268	0.262
## m_community 35	0.259	0.263	0.262	0.263
## m_community 36	0.258	0.259	0.260	0.261
## m_community 37	0.262	0.262	0.261	0.263
## m_community 38	0.256	0.261	0.259	0.260

## m_community 39	0.254	0.255	0.259	0.260
## m_community 40	0.259	0.260	0.260	0.261
## m_community 41	0.259	0.259	0.257	0.261
## m_community 42	0.260	0.259	0.260	0.262
## m_community 43	0.258	0.257	0.259	0.262
## m_community 44	0.263	0.265	0.263	0.268
## m_community 45	0.258	0.261	0.259	0.264
## m_community 46	0.259	0.261	0.259	0.261
## m_community 47	0.258	0.259	0.262	0.263
## m_community 48	0.258	0.261	0.262	0.259
## m_community 49	0.259	0.259	0.260	0.260
## m_community 50	0.258	0.259	0.257	0.258
## m_community 51	0.259	0.256	0.256	0.259
## m_community 52	0.258	0.259	0.256	0.258
## m_community 53	0.260	0.257	0.258	0.263
## m_community 54	0.262	0.262	0.262	0.262
## m_community 55	0.259	0.262	0.260	0.261
## m_community 56	0.254	0.258	0.262	0.261
## m_community 57	0.255	0.256	0.250	0.255
## m_community 58	0.258	0.259	0.261	0.261
## m_community 59	0.257	0.258	0.262	0.263
## m_community 60	0.257	0.257	0.261	0.260
## m_community 61	0.257	0.257	0.260	0.258
## m_community 62	0.257	0.261	0.262	0.261
## m_community 63	0.259	0.262	0.262	0.260
## m_community 64	0.260	0.258	0.256	0.258
## m_community 65	0.258	0.258	0.260	0.262
## m_community 66	0.265	0.262	0.263	0.266
## m_community 67	0.255	0.257	0.260	0.259
## m_community 68	0.266	0.265	0.266	0.266
## m_community 69	0.260	0.259	0.257	0.261
## m_community 70	0.261	0.266	0.262	0.261
## m_community 71	0.256	0.261	0.262	0.263
## m_community 72	0.258	0.260	0.257	0.261
## m_community 73	0.244	0.246	0.239	0.248
##	m_community 17	m_community 18	m_community 19	m_community 20
## m_community 1	0.266	0.264	0.259	0.265
## m_community 2	0.260	0.262	0.256	0.263

## m_community 3	0.261	0.260	0.263	0.264
## m_community 4	0.258	0.257	0.252	0.262
## m_community 5	0.261	0.257	0.255	0.260
## m_community 6	0.258	0.256	0.258	0.260
## m_community 7	0.261	0.253	0.257	0.259
## m_community 8	0.262	0.255	0.259	0.263
## m_community 9	0.261	0.259	0.257	0.264
## m_community 10	0.262	0.258	0.263	0.264
## m_community 11	0.259	0.253	0.261	0.259
## m_community 12	0.261	0.255	0.263	0.259
## m_community 13	0.257	0.254	0.261	0.256
## m_community 14	0.259	0.262	0.254	0.261
## m_community 15	0.263	0.260	0.255	0.262
## m_community 16	0.262	0.259	0.261	0.260
## m_community 17	NA	0.258	0.256	0.269
## m_community 18	0.258	NA	0.262	0.258
## m_community 19	0.256	0.262	NA	0.264
## m_community 20	0.269	0.258	0.264	NA
## m_community 21	0.262	0.259	0.258	0.260
## m_community 22	0.270	0.260	0.262	0.261
## m_community 23	0.261	0.257	0.258	0.257
## m_community 24	0.262	0.263	0.254	0.262
## m_community 25	0.260	0.259	0.254	0.257
## m_community 26	0.263	0.257	0.263	0.266
## m_community 27	0.259	0.256	0.256	0.264
## m_community 28	0.259	0.264	0.255	0.259
## m_community 29	0.257	0.255	0.254	0.256
## m_community 30	0.258	0.260	0.259	0.260
## m_community 31	0.261	0.255	0.259	0.260
## m_community 32	0.262	0.255	0.253	0.256
## m_community 33	0.258	0.254	0.254	0.256
## m_community 34	0.266	0.263	0.257	0.262
## m_community 35	0.261	0.253	0.256	0.262
## m_community 36	0.261	0.258	0.258	0.262
## m_community 37	0.265	0.260	0.259	0.262
## m_community 38	0.259	0.256	0.254	0.260
## m_community 39	0.259	0.262	0.266	0.256
## m_community 40	0.262	0.260	0.258	0.261

## m_community 41	0.259	0.256	0.256	0.261
## m_community 42	0.262	0.260	0.258	0.261
## m_community 43	0.262	0.256	0.255	0.259
## m_community 44	0.265	0.264	0.262	0.267
## m_community 45	0.258	0.255	0.259	0.262
## m_community 46	0.263	0.259	0.256	0.259
## m_community 47	0.260	0.262	0.258	0.261
## m_community 48	0.261	0.258	0.253	0.263
## m_community 49	0.263	0.257	0.256	0.261
## m_community 50	0.256	0.259	0.251	0.260
## m_community 51	0.264	0.258	0.257	0.262
## m_community 52	0.262	0.264	0.260	0.263
## m_community 53	0.263	0.261	0.255	0.259
## m_community 54	0.263	0.258	0.259	0.262
## m_community 55	0.261	0.261	0.258	0.262
## m_community 56	0.259	0.259	0.255	0.261
## m_community 57	0.257	0.259	0.254	0.253
## m_community 58	0.262	0.257	0.255	0.260
## m_community 59	0.261	0.260	0.256	0.261
## m_community 60	0.260	0.264	0.256	0.260
## m_community 61	0.258	0.250	0.260	0.255
## m_community 62	0.265	0.260	0.259	0.258
## m_community 63	0.263	0.257	0.263	0.261
## m_community 64	0.259	0.256	0.253	0.258
## m_community 65	0.262	0.262	0.256	0.259
## m_community 66	0.267	0.266	0.256	0.267
## m_community 67	0.260	0.255	0.259	0.256
## m_community 68	0.267	0.265	0.264	0.272
## m_community 69	0.261	0.261	0.253	0.263
## m_community 70	0.265	0.260	0.257	0.267
## m_community 71	0.261	0.259	0.267	0.263
## m_community 72	0.260	0.265	0.264	0.266
## m_community 73	0.254	0.240	0.249	0.249
##	m_community 21	m_community 22	m_community 23	m_community 24
## m_community 1	0.264	0.270	0.256	0.265
## m_community 2	0.261	0.262	0.258	0.262
## m_community 3	0.262	0.266	0.257	0.267
## m_community 4	0.261	0.264	0.255	0.261

## m_community 5	0.260	0.262	0.256	0.263
## m_community 6	0.261	0.262	0.257	0.263
## m_community 7	0.260	0.265	0.261	0.258
## m_community 8	0.261	0.265	0.260	0.259
## m_community 9	0.261	0.264	0.257	0.263
## m_community 10	0.266	0.265	0.261	0.260
## m_community 11	0.258	0.257	0.257	0.263
## m_community 12	0.261	0.264	0.258	0.264
## m_community 13	0.259	0.264	0.258	0.260
## m_community 14	0.259	0.269	0.255	0.260
## m_community 15	0.260	0.266	0.256	0.261
## m_community 16	0.263	0.266	0.258	0.263
## m_community 17	0.262	0.270	0.261	0.262
## m_community 18	0.259	0.260	0.257	0.263
## m_community 19	0.258	0.262	0.258	0.254
## m_community 20	0.260	0.261	0.257	0.262
## m_community 21	NA	0.265	0.259	0.262
## m_community 22	0.265	NA	0.264	0.270
## m_community 23	0.259	0.264	NA	0.261
## m_community 24	0.262	0.270	0.261	NA
## m_community 25	0.259	0.261	0.258	0.259
## m_community 26	0.261	0.261	0.260	0.268
## m_community 27	0.257	0.260	0.257	0.258
## m_community 28	0.262	0.262	0.257	0.259
## m_community 29	0.258	0.258	0.253	0.267
## m_community 30	0.258	0.268	0.254	0.277
## m_community 31	0.260	0.262	0.257	0.261
## m_community 32	0.259	0.260	0.254	0.261
## m_community 33	0.258	0.259	0.255	0.255
## m_community 34	0.263	0.269	0.264	0.272
## m_community 35	0.261	0.265	0.258	0.262
## m_community 36	0.261	0.265	0.259	0.263
## m_community 37	0.263	0.266	0.258	0.263
## m_community 38	0.259	0.263	0.257	0.261
## m_community 39	0.257	0.263	0.258	0.256
## m_community 40	0.259	0.266	0.257	0.263
## m_community 41	0.260	0.264	0.258	0.262
## m_community 42	0.262	0.264	0.256	0.262

## m_community 43	0.260	0.264	0.257	0.258
## m_community 44	0.265	0.269	0.262	0.272
## m_community 45	0.259	0.264	0.257	0.257
## m_community 46	0.260	0.262	0.256	0.263
## m_community 47	0.263	0.263	0.259	0.264
## m_community 48	0.262	0.265	0.257	0.261
## m_community 49	0.260	0.263	0.256	0.262
## m_community 50	0.259	0.261	0.255	0.258
## m_community 51	0.261	0.263	0.257	0.261
## m_community 52	0.260	0.262	0.255	0.262
## m_community 53	0.258	0.265	0.257	0.262
## m_community 54	0.263	0.268	0.258	0.266
## m_community 55	0.262	0.267	0.259	0.262
## m_community 56	0.259	0.267	0.256	0.261
## m_community 57	0.257	0.257	0.253	0.256
## m_community 58	0.262	0.270	0.258	0.263
## m_community 59	0.260	0.265	0.258	0.263
## m_community 60	0.261	0.263	0.255	0.258
## m_community 61	0.257	0.261	0.252	0.260
## m_community 62	0.263	0.265	0.257	0.262
## m_community 63	0.261	0.267	0.258	0.266
## m_community 64	0.257	0.266	0.253	0.262
## m_community 65	0.260	0.263	0.256	0.266
## m_community 66	0.264	0.275	0.258	0.270
## m_community 67	0.259	0.264	0.255	0.262
## m_community 68	0.262	0.269	0.259	0.274
## m_community 69	0.260	0.263	0.256	0.262
## m_community 70	0.264	0.261	0.262	0.260
## m_community 71	0.260	0.265	0.257	0.268
## m_community 72	0.258	0.267	0.260	0.257
## m_community 73	0.245	0.267	0.247	0.249
##	m_community 25	m_community 26	m_community 27	m_community 28
## m_community 1	0.261	0.265	0.261	0.265
## m_community 2	0.258	0.261	0.263	0.258
## m_community 3	0.260	0.263	0.260	0.264
## m_community 4	0.259	0.258	0.257	0.266
## m_community 5	0.257	0.262	0.256	0.259
## m_community 6	0.258	0.263	0.258	0.260

## m_community 7	0.256	0.259	0.256	0.251
## m_community 8	0.262	0.265	0.258	0.261
## m_community 9	0.260	0.259	0.259	0.262
## m_community 10	0.259	0.265	0.258	0.263
## m_community 11	0.258	0.259	0.253	0.261
## m_community 12	0.259	0.259	0.259	0.261
## m_community 13	0.257	0.258	0.257	0.257
## m_community 14	0.261	0.264	0.259	0.259
## m_community 15	0.260	0.265	0.257	0.263
## m_community 16	0.260	0.262	0.259	0.262
## m_community 17	0.260	0.263	0.259	0.259
## m_community 18	0.259	0.257	0.256	0.264
## m_community 19	0.254	0.263	0.256	0.255
## m_community 20	0.257	0.266	0.264	0.259
## m_community 21	0.259	0.261	0.257	0.262
## m_community 22	0.261	0.261	0.260	0.262
## m_community 23	0.258	0.260	0.257	0.257
## m_community 24	0.259	0.268	0.258	0.259
## m_community 25	NA	0.262	0.256	0.261
## m_community 26	0.262	NA	0.258	0.262
## m_community 27	0.256	0.258	NA	0.259
## m_community 28	0.261	0.262	0.259	NA
## m_community 29	0.256	0.256	0.256	0.259
## m_community 30	0.255	0.267	0.260	0.265
## m_community 31	0.261	0.262	0.260	0.259
## m_community 32	0.259	0.261	0.257	0.256
## m_community 33	0.256	0.262	0.256	0.258
## m_community 34	0.259	0.267	0.263	0.265
## m_community 35	0.261	0.263	0.259	0.258
## m_community 36	0.260	0.264	0.259	0.261
## m_community 37	0.262	0.264	0.260	0.262
## m_community 38	0.259	0.258	0.258	0.258
## m_community 39	0.256	0.259	0.258	0.260
## m_community 40	0.259	0.262	0.259	0.261
## m_community 41	0.258	0.260	0.256	0.260
## m_community 42	0.259	0.262	0.257	0.260
## m_community 43	0.258	0.261	0.256	0.260
## m_community 44	0.263	0.264	0.261	0.263

## m_community 45	0.258	0.261	0.257	0.263
## m_community 46	0.258	0.261	0.257	0.261
## m_community 47	0.260	0.259	0.259	0.258
## m_community 48	0.262	0.262	0.258	0.261
## m_community 49	0.259	0.261	0.258	0.260
## m_community 50	0.260	0.256	0.257	0.257
## m_community 51	0.256	0.264	0.256	0.255
## m_community 52	0.260	0.263	0.260	0.258
## m_community 53	0.259	0.264	0.256	0.259
## m_community 54	0.260	0.267	0.262	0.265
## m_community 55	0.260	0.262	0.261	0.258
## m_community 56	0.260	0.264	0.259	0.257
## m_community 57	0.262	0.260	0.251	0.259
## m_community 58	0.259	0.262	0.257	0.258
## m_community 59	0.260	0.262	0.257	0.262
## m_community 60	0.255	0.261	0.256	0.259
## m_community 61	0.262	0.263	0.255	0.260
## m_community 62	0.257	0.264	0.263	0.260
## m_community 63	0.261	0.261	0.256	0.261
## m_community 64	0.255	0.261	0.256	0.255
## m_community 65	0.262	0.264	0.260	0.261
## m_community 66	0.265	0.268	0.266	0.259
## m_community 67	0.261	0.259	0.259	0.255
## m_community 68	0.262	0.267	0.260	0.267
## m_community 69	0.263	0.261	0.257	0.259
## m_community 70	0.262	0.263	0.261	0.262
## m_community 71	0.261	0.260	0.260	0.260
## m_community 72	0.261	0.261	0.257	0.259
## m_community 73	0.258	0.247	0.252	0.253
## m_community 29	m_community 29	m_community 30	m_community 31	m_community 32
## m_community 1	0.262	0.260	0.265	0.264
## m_community 2	0.261	0.264	0.260	0.258
## m_community 3	0.257	0.259	0.260	0.260
## m_community 4	0.260	0.256	0.259	0.256
## m_community 5	0.258	0.260	0.259	0.257
## m_community 6	0.257	0.258	0.260	0.260
## m_community 7	0.261	0.272	0.260	0.258
## m_community 8	0.260	0.262	0.259	0.261

## m_community 9	0.257	0.258	0.261	0.259
## m_community 10	0.261	0.269	0.262	0.261
## m_community 11	0.255	0.251	0.257	0.255
## m_community 12	0.256	0.257	0.260	0.260
## m_community 13	0.258	0.259	0.257	0.256
## m_community 14	0.260	0.260	0.258	0.258
## m_community 15	0.258	0.257	0.258	0.258
## m_community 16	0.257	0.265	0.260	0.260
## m_community 17	0.257	0.258	0.261	0.262
## m_community 18	0.255	0.260	0.255	0.255
## m_community 19	0.254	0.259	0.259	0.253
## m_community 20	0.256	0.260	0.260	0.256
## m_community 21	0.258	0.258	0.260	0.259
## m_community 22	0.258	0.268	0.262	0.260
## m_community 23	0.253	0.254	0.257	0.254
## m_community 24	0.267	0.277	0.261	0.261
## m_community 25	0.256	0.255	0.261	0.259
## m_community 26	0.256	0.267	0.262	0.261
## m_community 27	0.256	0.260	0.260	0.257
## m_community 28	0.259	0.265	0.259	0.256
## m_community 29	NA	0.256	0.258	0.255
## m_community 30	0.256	NA	0.260	0.258
## m_community 31	0.258	0.260	NA	0.257
## m_community 32	0.255	0.258	0.257	NA
## m_community 33	0.255	0.256	0.257	0.255
## m_community 34	0.259	0.260	0.264	0.265
## m_community 35	0.255	0.260	0.260	0.259
## m_community 36	0.258	0.261	0.259	0.260
## m_community 37	0.259	0.261	0.263	0.261
## m_community 38	0.256	0.257	0.260	0.258
## m_community 39	0.258	0.257	0.259	0.257
## m_community 40	0.257	0.257	0.260	0.259
## m_community 41	0.260	0.259	0.259	0.259
## m_community 42	0.257	0.259	0.261	0.258
## m_community 43	0.256	0.254	0.258	0.256
## m_community 44	0.262	0.262	0.266	0.263
## m_community 45	0.257	0.262	0.259	0.258
## m_community 46	0.253	0.260	0.260	0.256

## m_community 47	0.258	0.263	0.260	0.259
## m_community 48	0.259	0.260	0.260	0.259
## m_community 49	0.254	0.256	0.259	0.258
## m_community 50	0.254	0.259	0.258	0.255
## m_community 51	0.254	0.265	0.258	0.256
## m_community 52	0.255	0.262	0.258	0.262
## m_community 53	0.256	0.262	0.259	0.257
## m_community 54	0.259	0.257	0.261	0.262
## m_community 55	0.259	0.258	0.261	0.262
## m_community 56	0.257	0.263	0.259	0.258
## m_community 57	0.251	0.255	0.256	0.255
## m_community 58	0.259	0.265	0.260	0.257
## m_community 59	0.258	0.256	0.262	0.258
## m_community 60	0.255	0.256	0.259	0.255
## m_community 61	0.258	0.247	0.258	0.261
## m_community 62	0.258	0.262	0.260	0.257
## m_community 63	0.259	0.258	0.258	0.261
## m_community 64	0.256	0.251	0.257	0.255
## m_community 65	0.257	0.259	0.261	0.258
## m_community 66	0.265	0.268	0.267	0.264
## m_community 67	0.257	0.262	0.259	0.257
## m_community 68	0.257	0.257	0.265	0.262
## m_community 69	0.258	0.260	0.261	0.259
## m_community 70	0.265	0.260	0.261	0.261
## m_community 71	0.257	0.259	0.260	0.258
## m_community 72	0.257	0.267	0.260	0.259
## m_community 73	0.254	0.247	0.243	0.250
##	m_community 33	m_community 34	m_community 35	m_community 36
## m_community 1	0.263	0.270	0.263	0.265
## m_community 2	0.258	0.263	0.261	0.261
## m_community 3	0.258	0.265	0.262	0.261
## m_community 4	0.258	0.264	0.262	0.260
## m_community 5	0.258	0.265	0.262	0.260
## m_community 6	0.258	0.263	0.261	0.260
## m_community 7	0.256	0.268	0.261	0.257
## m_community 8	0.258	0.265	0.260	0.260
## m_community 9	0.258	0.268	0.261	0.261
## m_community 10	0.257	0.270	0.261	0.261

## m_community 11	0.250	0.256	0.258	0.256
## m_community 12	0.257	0.263	0.259	0.260
## m_community 13	0.253	0.258	0.259	0.258
## m_community 14	0.256	0.266	0.263	0.259
## m_community 15	0.258	0.268	0.262	0.260
## m_community 16	0.258	0.262	0.263	0.261
## m_community 17	0.258	0.266	0.261	0.261
## m_community 18	0.254	0.263	0.253	0.258
## m_community 19	0.254	0.257	0.256	0.258
## m_community 20	0.256	0.262	0.262	0.262
## m_community 21	0.258	0.263	0.261	0.261
## m_community 22	0.259	0.269	0.265	0.265
## m_community 23	0.255	0.264	0.258	0.259
## m_community 24	0.255	0.272	0.262	0.263
## m_community 25	0.256	0.259	0.261	0.260
## m_community 26	0.262	0.267	0.263	0.264
## m_community 27	0.256	0.263	0.259	0.259
## m_community 28	0.258	0.265	0.258	0.261
## m_community 29	0.255	0.259	0.255	0.258
## m_community 30	0.256	0.260	0.260	0.261
## m_community 31	0.257	0.264	0.260	0.259
## m_community 32	0.255	0.265	0.259	0.260
## m_community 33	NA	0.261	0.259	0.257
## m_community 34	0.261	NA	0.265	0.264
## m_community 35	0.259	0.265	NA	0.263
## m_community 36	0.257	0.264	0.263	NA
## m_community 37	0.259	0.268	0.262	0.263
## m_community 38	0.258	0.264	0.258	0.260
## m_community 39	0.254	0.261	0.264	0.260
## m_community 40	0.258	0.265	0.261	0.261
## m_community 41	0.256	0.265	0.262	0.259
## m_community 42	0.258	0.269	0.259	0.262
## m_community 43	0.256	0.262	0.261	0.260
## m_community 44	0.261	0.272	0.267	0.265
## m_community 45	0.258	0.266	0.257	0.262
## m_community 46	0.258	0.264	0.260	0.260
## m_community 47	0.257	0.264	0.262	0.262
## m_community 48	0.258	0.264	0.262	0.261

## m_community 49	0.255	0.261	0.262	0.260
## m_community 50	0.254	0.264	0.257	0.260
## m_community 51	0.256	0.257	0.260	0.259
## m_community 52	0.261	0.267	0.262	0.260
## m_community 53	0.258	0.262	0.260	0.259
## m_community 54	0.258	0.262	0.264	0.261
## m_community 55	0.260	0.265	0.262	0.263
## m_community 56	0.257	0.262	0.259	0.257
## m_community 57	0.251	0.265	0.263	0.258
## m_community 58	0.258	0.266	0.260	0.260
## m_community 59	0.258	0.265	0.262	0.262
## m_community 60	0.255	0.262	0.255	0.259
## m_community 61	0.257	0.264	0.257	0.261
## m_community 62	0.257	0.268	0.262	0.261
## m_community 63	0.260	0.263	0.260	0.261
## m_community 64	0.256	0.257	0.258	0.258
## m_community 65	0.258	0.264	0.262	0.261
## m_community 66	0.264	0.270	0.266	0.263
## m_community 67	0.256	0.261	0.257	0.260
## m_community 68	0.264	0.273	0.264	0.265
## m_community 69	0.255	0.265	0.261	0.261
## m_community 70	0.260	0.262	0.263	0.263
## m_community 71	0.259	0.263	0.259	0.262
## m_community 72	0.258	0.269	0.263	0.260
## m_community 73	0.253	0.257	0.257	0.244
##	m_community 37	m_community 38	m_community 39	m_community 40
## m_community 1	0.266	0.264	0.260	0.263
## m_community 2	0.263	0.260	0.257	0.261
## m_community 3	0.264	0.260	0.259	0.261
## m_community 4	0.264	0.260	0.259	0.261
## m_community 5	0.263	0.258	0.256	0.260
## m_community 6	0.262	0.259	0.261	0.261
## m_community 7	0.263	0.259	0.256	0.259
## m_community 8	0.262	0.258	0.261	0.261
## m_community 9	0.263	0.257	0.257	0.261
## m_community 10	0.266	0.261	0.262	0.262
## m_community 11	0.260	0.255	0.254	0.259
## m_community 12	0.262	0.259	0.259	0.261

## m_community 13	0.262	0.256	0.254	0.259
## m_community 14	0.262	0.261	0.255	0.260
## m_community 15	0.261	0.259	0.259	0.260
## m_community 16	0.263	0.260	0.260	0.261
## m_community 17	0.265	0.259	0.259	0.262
## m_community 18	0.260	0.256	0.262	0.260
## m_community 19	0.259	0.254	0.266	0.258
## m_community 20	0.262	0.260	0.256	0.261
## m_community 21	0.263	0.259	0.257	0.259
## m_community 22	0.266	0.263	0.263	0.266
## m_community 23	0.258	0.257	0.258	0.257
## m_community 24	0.263	0.261	0.256	0.263
## m_community 25	0.262	0.259	0.256	0.259
## m_community 26	0.264	0.258	0.259	0.262
## m_community 27	0.260	0.258	0.258	0.259
## m_community 28	0.262	0.258	0.260	0.261
## m_community 29	0.259	0.256	0.258	0.257
## m_community 30	0.261	0.257	0.257	0.257
## m_community 31	0.263	0.260	0.259	0.260
## m_community 32	0.261	0.258	0.257	0.259
## m_community 33	0.259	0.258	0.254	0.258
## m_community 34	0.268	0.264	0.261	0.265
## m_community 35	0.262	0.258	0.264	0.261
## m_community 36	0.263	0.260	0.260	0.261
## m_community 37	NA	0.261	0.262	0.263
## m_community 38	0.261	NA	0.258	0.260
## m_community 39	0.262	0.258	NA	0.259
## m_community 40	0.263	0.260	0.259	NA
## m_community 41	0.262	0.258	0.261	0.259
## m_community 42	0.262	0.262	0.260	0.261
## m_community 43	0.262	0.259	0.256	0.259
## m_community 44	0.268	0.263	0.264	0.266
## m_community 45	0.262	0.260	0.263	0.260
## m_community 46	0.262	0.260	0.258	0.260
## m_community 47	0.263	0.261	0.260	0.262
## m_community 48	0.265	0.259	0.260	0.261
## m_community 49	0.261	0.259	0.260	0.261
## m_community 50	0.260	0.257	0.256	0.259

## m_community 51	0.261	0.257	0.254	0.260
## m_community 52	0.263	0.259	0.262	0.259
## m_community 53	0.262	0.259	0.257	0.261
## m_community 54	0.265	0.261	0.261	0.262
## m_community 55	0.263	0.261	0.258	0.261
## m_community 56	0.262	0.259	0.260	0.260
## m_community 57	0.260	0.254	0.253	0.256
## m_community 58	0.262	0.259	0.261	0.262
## m_community 59	0.263	0.260	0.259	0.260
## m_community 60	0.260	0.257	0.259	0.258
## m_community 61	0.261	0.255	0.256	0.258
## m_community 62	0.264	0.261	0.262	0.261
## m_community 63	0.264	0.262	0.258	0.261
## m_community 64	0.259	0.259	0.260	0.258
## m_community 65	0.263	0.260	0.259	0.260
## m_community 66	0.267	0.260	0.265	0.265
## m_community 67	0.263	0.260	0.254	0.257
## m_community 68	0.266	0.264	0.265	0.264
## m_community 69	0.262	0.257	0.259	0.260
## m_community 70	0.265	0.261	0.263	0.265
## m_community 71	0.265	0.262	0.263	0.261
## m_community 72	0.263	0.260	0.264	0.260
## m_community 73	0.254	0.249	0.249	0.250
##	m_community 41	m_community 42	m_community 43	m_community 44
## m_community 1	0.266	0.265	0.265	0.265
## m_community 2	0.261	0.262	0.261	0.264
## m_community 3	0.261	0.262	0.258	0.268
## m_community 4	0.260	0.260	0.260	0.267
## m_community 5	0.258	0.259	0.259	0.265
## m_community 6	0.260	0.261	0.259	0.264
## m_community 7	0.258	0.259	0.261	0.266
## m_community 8	0.258	0.263	0.259	0.267
## m_community 9	0.260	0.259	0.260	0.263
## m_community 10	0.261	0.264	0.263	0.268
## m_community 11	0.256	0.259	0.256	0.260
## m_community 12	0.260	0.262	0.260	0.264
## m_community 13	0.259	0.260	0.258	0.263
## m_community 14	0.259	0.259	0.257	0.265

## m_community 15	0.257	0.260	0.259	0.263
## m_community 16	0.261	0.262	0.262	0.268
## m_community 17	0.259	0.262	0.262	0.265
## m_community 18	0.256	0.260	0.256	0.264
## m_community 19	0.256	0.258	0.255	0.262
## m_community 20	0.261	0.261	0.259	0.267
## m_community 21	0.260	0.262	0.260	0.265
## m_community 22	0.264	0.264	0.264	0.269
## m_community 23	0.258	0.256	0.257	0.262
## m_community 24	0.262	0.262	0.258	0.272
## m_community 25	0.258	0.259	0.258	0.263
## m_community 26	0.260	0.262	0.261	0.264
## m_community 27	0.256	0.257	0.256	0.261
## m_community 28	0.260	0.260	0.260	0.263
## m_community 29	0.260	0.257	0.256	0.262
## m_community 30	0.259	0.259	0.254	0.262
## m_community 31	0.259	0.261	0.258	0.266
## m_community 32	0.259	0.258	0.256	0.263
## m_community 33	0.256	0.258	0.256	0.261
## m_community 34	0.265	0.269	0.262	0.272
## m_community 35	0.262	0.259	0.261	0.267
## m_community 36	0.259	0.262	0.260	0.265
## m_community 37	0.262	0.262	0.262	0.268
## m_community 38	0.258	0.262	0.259	0.263
## m_community 39	0.261	0.260	0.256	0.264
## m_community 40	0.259	0.261	0.259	0.266
## m_community 41	NA	0.261	0.258	0.265
## m_community 42	0.261	NA	0.262	0.266
## m_community 43	0.258	0.262	NA	0.260
## m_community 44	0.265	0.266	0.260	NA
## m_community 45	0.258	0.260	0.260	0.267
## m_community 46	0.260	0.260	0.258	0.265
## m_community 47	0.261	0.260	0.260	0.264
## m_community 48	0.261	0.260	0.261	0.263
## m_community 49	0.260	0.258	0.258	0.265
## m_community 50	0.260	0.259	0.258	0.265
## m_community 51	0.259	0.259	0.259	0.260
## m_community 52	0.259	0.259	0.259	0.266

## m_community 53	0.259	0.260	0.258	0.264
## m_community 54	0.260	0.262	0.263	0.265
## m_community 55	0.260	0.261	0.259	0.266
## m_community 56	0.260	0.263	0.263	0.264
## m_community 57	0.252	0.258	0.253	0.263
## m_community 58	0.260	0.260	0.259	0.265
## m_community 59	0.260	0.259	0.258	0.262
## m_community 60	0.258	0.260	0.257	0.264
## m_community 61	0.260	0.259	0.259	0.262
## m_community 62	0.258	0.261	0.261	0.267
## m_community 63	0.261	0.259	0.262	0.265
## m_community 64	0.257	0.259	0.258	0.259
## m_community 65	0.260	0.260	0.260	0.265
## m_community 66	0.266	0.266	0.266	0.263
## m_community 67	0.258	0.258	0.258	0.263
## m_community 68	0.266	0.267	0.262	0.268
## m_community 69	0.261	0.261	0.261	0.263
## m_community 70	0.261	0.263	0.262	0.273
## m_community 71	0.260	0.261	0.262	0.265
## m_community 72	0.261	0.261	0.263	0.263
## m_community 73	0.245	0.247	0.247	0.252
##	m_community 45	m_community 46	m_community 47	m_community 48
## m_community 1	0.264	0.264	0.267	0.263
## m_community 2	0.261	0.260	0.262	0.262
## m_community 3	0.262	0.262	0.263	0.261
## m_community 4	0.260	0.260	0.263	0.259
## m_community 5	0.262	0.260	0.262	0.260
## m_community 6	0.260	0.260	0.260	0.260
## m_community 7	0.262	0.257	0.263	0.258
## m_community 8	0.260	0.261	0.261	0.259
## m_community 9	0.261	0.261	0.262	0.258
## m_community 10	0.260	0.261	0.264	0.260
## m_community 11	0.260	0.259	0.257	0.255
## m_community 12	0.260	0.260	0.260	0.262
## m_community 13	0.258	0.259	0.258	0.258
## m_community 14	0.261	0.261	0.259	0.261
## m_community 15	0.259	0.259	0.262	0.262
## m_community 16	0.264	0.261	0.263	0.259

## m_community 17	0.258	0.263	0.260	0.261
## m_community 18	0.255	0.259	0.262	0.258
## m_community 19	0.259	0.256	0.258	0.253
## m_community 20	0.262	0.259	0.261	0.263
## m_community 21	0.259	0.260	0.263	0.262
## m_community 22	0.264	0.262	0.263	0.265
## m_community 23	0.257	0.256	0.259	0.257
## m_community 24	0.257	0.263	0.264	0.261
## m_community 25	0.258	0.258	0.260	0.262
## m_community 26	0.261	0.261	0.259	0.262
## m_community 27	0.257	0.257	0.259	0.258
## m_community 28	0.263	0.261	0.258	0.261
## m_community 29	0.257	0.253	0.258	0.259
## m_community 30	0.262	0.260	0.263	0.260
## m_community 31	0.259	0.260	0.260	0.260
## m_community 32	0.258	0.256	0.259	0.259
## m_community 33	0.258	0.258	0.257	0.258
## m_community 34	0.266	0.264	0.264	0.264
## m_community 35	0.257	0.260	0.262	0.262
## m_community 36	0.262	0.260	0.262	0.261
## m_community 37	0.262	0.262	0.263	0.265
## m_community 38	0.260	0.260	0.261	0.259
## m_community 39	0.263	0.258	0.260	0.260
## m_community 40	0.260	0.260	0.262	0.261
## m_community 41	0.258	0.260	0.261	0.261
## m_community 42	0.260	0.260	0.260	0.260
## m_community 43	0.260	0.258	0.260	0.261
## m_community 44	0.267	0.265	0.264	0.263
## m_community 45	NA	0.260	0.261	0.261
## m_community 46	0.260	NA	0.260	0.262
## m_community 47	0.261	0.260	NA	0.262
## m_community 48	0.261	0.262	0.262	NA
## m_community 49	0.261	0.261	0.261	0.259
## m_community 50	0.259	0.258	0.257	0.257
## m_community 51	0.261	0.257	0.260	0.262
## m_community 52	0.258	0.260	0.263	0.260
## m_community 53	0.263	0.260	0.262	0.263
## m_community 54	0.261	0.261	0.265	0.259

## m_community 55	0.263	0.260	0.262	0.261
## m_community 56	0.260	0.260	0.260	0.260
## m_community 57	0.252	0.254	0.254	0.254
## m_community 58	0.259	0.260	0.261	0.260
## m_community 59	0.260	0.261	0.261	0.261
## m_community 60	0.256	0.258	0.258	0.260
## m_community 61	0.260	0.261	0.259	0.252
## m_community 62	0.262	0.259	0.262	0.258
## m_community 63	0.265	0.260	0.262	0.258
## m_community 64	0.259	0.257	0.257	0.259
## m_community 65	0.260	0.261	0.262	0.260
## m_community 66	0.263	0.264	0.265	0.264
## m_community 67	0.259	0.258	0.257	0.261
## m_community 68	0.265	0.266	0.264	0.264
## m_community 69	0.260	0.261	0.260	0.262
## m_community 70	0.267	0.261	0.268	0.267
## m_community 71	0.259	0.262	0.262	0.261
## m_community 72	0.263	0.259	0.262	0.263
## m_community 73	0.252	0.251	0.251	0.248
##	m_community 49	m_community 50	m_community 51	m_community 52
## m_community 1	0.263	0.263	0.260	0.261
## m_community 2	0.260	0.258	0.260	0.260
## m_community 3	0.259	0.260	0.265	0.262
## m_community 4	0.257	0.258	0.260	0.262
## m_community 5	0.260	0.258	0.256	0.262
## m_community 6	0.261	0.259	0.259	0.260
## m_community 7	0.262	0.257	0.258	0.255
## m_community 8	0.260	0.260	0.258	0.258
## m_community 9	0.260	0.257	0.257	0.261
## m_community 10	0.262	0.258	0.258	0.266
## m_community 11	0.256	0.254	0.252	0.263
## m_community 12	0.259	0.259	0.259	0.260
## m_community 13	0.259	0.258	0.259	0.258
## m_community 14	0.259	0.259	0.256	0.259
## m_community 15	0.260	0.257	0.256	0.256
## m_community 16	0.260	0.258	0.259	0.258
## m_community 17	0.263	0.256	0.264	0.262
## m_community 18	0.257	0.259	0.258	0.264

## m_community 19	0.256	0.251	0.257	0.260
## m_community 20	0.261	0.260	0.262	0.263
## m_community 21	0.260	0.259	0.261	0.260
## m_community 22	0.263	0.261	0.263	0.262
## m_community 23	0.256	0.255	0.257	0.255
## m_community 24	0.262	0.258	0.261	0.262
## m_community 25	0.259	0.260	0.256	0.260
## m_community 26	0.261	0.256	0.264	0.263
## m_community 27	0.258	0.257	0.256	0.260
## m_community 28	0.260	0.257	0.255	0.258
## m_community 29	0.254	0.254	0.254	0.255
## m_community 30	0.256	0.259	0.265	0.262
## m_community 31	0.259	0.258	0.258	0.258
## m_community 32	0.258	0.255	0.256	0.262
## m_community 33	0.255	0.254	0.256	0.261
## m_community 34	0.261	0.264	0.257	0.267
## m_community 35	0.262	0.257	0.260	0.262
## m_community 36	0.260	0.260	0.259	0.260
## m_community 37	0.261	0.260	0.261	0.263
## m_community 38	0.259	0.257	0.257	0.259
## m_community 39	0.260	0.256	0.254	0.262
## m_community 40	0.261	0.259	0.260	0.259
## m_community 41	0.260	0.260	0.259	0.259
## m_community 42	0.258	0.259	0.259	0.259
## m_community 43	0.258	0.258	0.259	0.259
## m_community 44	0.265	0.265	0.260	0.266
## m_community 45	0.261	0.259	0.261	0.258
## m_community 46	0.261	0.258	0.257	0.260
## m_community 47	0.261	0.257	0.260	0.263
## m_community 48	0.259	0.257	0.262	0.260
## m_community 49	NA	0.260	0.257	0.261
## m_community 50	0.260	NA	0.257	0.259
## m_community 51	0.257	0.257	NA	0.262
## m_community 52	0.261	0.259	0.262	NA
## m_community 53	0.259	0.258	0.254	0.260
## m_community 54	0.260	0.259	0.259	0.261
## m_community 55	0.260	0.261	0.261	0.260
## m_community 56	0.258	0.258	0.255	0.259

## m_community 57	0.256	0.255	0.262	0.253
## m_community 58	0.259	0.260	0.258	0.261
## m_community 59	0.260	0.259	0.261	0.260
## m_community 60	0.260	0.254	0.259	0.259
## m_community 61	0.256	0.262	0.257	0.255
## m_community 62	0.263	0.258	0.261	0.260
## m_community 63	0.259	0.260	0.261	0.262
## m_community 64	0.257	0.253	0.259	0.256
## m_community 65	0.258	0.259	0.256	0.260
## m_community 66	0.265	0.263	0.258	0.260
## m_community 67	0.260	0.255	0.258	0.258
## m_community 68	0.263	0.264	0.263	0.261
## m_community 69	0.260	0.257	0.260	0.256
## m_community 70	0.262	0.262	0.260	0.268
## m_community 71	0.262	0.257	0.256	0.265
## m_community 72	0.263	0.259	0.262	0.254
## m_community 73	0.250	0.247	0.247	0.247
##	m_community 53	m_community 54	m_community 55	m_community 56
## m_community 1	0.265	0.263	0.266	0.261
## m_community 2	0.261	0.263	0.260	0.259
## m_community 3	0.258	0.261	0.264	0.259
## m_community 4	0.262	0.260	0.262	0.260
## m_community 5	0.259	0.261	0.260	0.261
## m_community 6	0.261	0.261	0.262	0.261
## m_community 7	0.261	0.263	0.262	0.261
## m_community 8	0.262	0.261	0.262	0.261
## m_community 9	0.262	0.264	0.262	0.263
## m_community 10	0.262	0.263	0.263	0.260
## m_community 11	0.257	0.257	0.260	0.260
## m_community 12	0.261	0.261	0.261	0.260
## m_community 13	0.260	0.262	0.259	0.254
## m_community 14	0.257	0.262	0.262	0.258
## m_community 15	0.258	0.262	0.260	0.262
## m_community 16	0.263	0.262	0.261	0.261
## m_community 17	0.263	0.263	0.261	0.259
## m_community 18	0.261	0.258	0.261	0.259
## m_community 19	0.255	0.259	0.258	0.255
## m_community 20	0.259	0.262	0.262	0.261

## m_community 21	0.258	0.263	0.262	0.259
## m_community 22	0.265	0.268	0.267	0.267
## m_community 23	0.257	0.258	0.259	0.256
## m_community 24	0.262	0.266	0.262	0.261
## m_community 25	0.259	0.260	0.260	0.260
## m_community 26	0.264	0.267	0.262	0.264
## m_community 27	0.256	0.262	0.261	0.259
## m_community 28	0.259	0.265	0.258	0.257
## m_community 29	0.256	0.259	0.259	0.257
## m_community 30	0.262	0.257	0.258	0.263
## m_community 31	0.259	0.261	0.261	0.259
## m_community 32	0.257	0.262	0.262	0.258
## m_community 33	0.258	0.258	0.260	0.257
## m_community 34	0.262	0.262	0.265	0.262
## m_community 35	0.260	0.264	0.262	0.259
## m_community 36	0.259	0.261	0.263	0.257
## m_community 37	0.262	0.265	0.263	0.262
## m_community 38	0.259	0.261	0.261	0.259
## m_community 39	0.257	0.261	0.258	0.260
## m_community 40	0.261	0.262	0.261	0.260
## m_community 41	0.259	0.260	0.260	0.260
## m_community 42	0.260	0.262	0.261	0.263
## m_community 43	0.258	0.263	0.259	0.263
## m_community 44	0.264	0.265	0.266	0.264
## m_community 45	0.263	0.261	0.263	0.260
## m_community 46	0.260	0.261	0.260	0.260
## m_community 47	0.262	0.265	0.262	0.260
## m_community 48	0.263	0.259	0.261	0.260
## m_community 49	0.259	0.260	0.260	0.258
## m_community 50	0.258	0.259	0.261	0.258
## m_community 51	0.254	0.259	0.261	0.255
## m_community 52	0.260	0.261	0.260	0.259
## m_community 53	NA	0.263	0.261	0.257
## m_community 54	0.263	NA	0.263	0.262
## m_community 55	0.261	0.263	NA	0.261
## m_community 56	0.257	0.262	0.261	NA
## m_community 57	0.258	0.256	0.257	0.255
## m_community 58	0.260	0.259	0.264	0.263

## m_community 59	0.260	0.263	0.261	0.260
## m_community 60	0.257	0.262	0.260	0.259
## m_community 61	0.261	0.258	0.259	0.258
## m_community 62	0.260	0.266	0.261	0.261
## m_community 63	0.261	0.264	0.263	0.259
## m_community 64	0.258	0.259	0.260	0.253
## m_community 65	0.259	0.261	0.262	0.262
## m_community 66	0.266	0.265	0.265	0.259
## m_community 67	0.259	0.260	0.258	0.258
## m_community 68	0.264	0.266	0.264	0.266
## m_community 69	0.258	0.261	0.261	0.261
## m_community 70	0.261	0.269	0.264	0.260
## m_community 71	0.260	0.264	0.263	0.262
## m_community 72	0.264	0.264	0.261	0.265
## m_community 73	0.250	0.248	0.245	0.250
##	m_community 57	m_community 58	m_community 59	m_community 60
## m_community 1	0.260	0.264	0.265	0.261
## m_community 2	0.258	0.261	0.261	0.260
## m_community 3	0.257	0.261	0.260	0.259
## m_community 4	0.258	0.261	0.261	0.257
## m_community 5	0.253	0.262	0.259	0.260
## m_community 6	0.256	0.261	0.260	0.259
## m_community 7	0.257	0.257	0.264	0.260
## m_community 8	0.261	0.258	0.261	0.260
## m_community 9	0.260	0.262	0.260	0.260
## m_community 10	0.258	0.261	0.263	0.259
## m_community 11	0.249	0.256	0.257	0.256
## m_community 12	0.259	0.260	0.262	0.260
## m_community 13	0.255	0.258	0.257	0.257
## m_community 14	0.256	0.259	0.258	0.257
## m_community 15	0.250	0.261	0.262	0.261
## m_community 16	0.255	0.261	0.263	0.260
## m_community 17	0.257	0.262	0.261	0.260
## m_community 18	0.259	0.257	0.260	0.264
## m_community 19	0.254	0.255	0.256	0.256
## m_community 20	0.253	0.260	0.261	0.260
## m_community 21	0.257	0.262	0.260	0.261
## m_community 22	0.257	0.270	0.265	0.263

## m_community 23	0.253	0.258	0.258	0.255
## m_community 24	0.256	0.263	0.263	0.258
## m_community 25	0.262	0.259	0.260	0.255
## m_community 26	0.260	0.262	0.262	0.261
## m_community 27	0.251	0.257	0.257	0.256
## m_community 28	0.259	0.258	0.262	0.259
## m_community 29	0.251	0.259	0.258	0.255
## m_community 30	0.255	0.265	0.256	0.256
## m_community 31	0.256	0.260	0.262	0.259
## m_community 32	0.255	0.257	0.258	0.255
## m_community 33	0.251	0.258	0.258	0.255
## m_community 34	0.265	0.266	0.265	0.262
## m_community 35	0.263	0.260	0.262	0.255
## m_community 36	0.258	0.260	0.262	0.259
## m_community 37	0.260	0.262	0.263	0.260
## m_community 38	0.254	0.259	0.260	0.257
## m_community 39	0.253	0.261	0.259	0.259
## m_community 40	0.256	0.262	0.260	0.258
## m_community 41	0.252	0.260	0.260	0.258
## m_community 42	0.258	0.260	0.259	0.260
## m_community 43	0.253	0.259	0.258	0.257
## m_community 44	0.263	0.265	0.262	0.264
## m_community 45	0.252	0.259	0.260	0.256
## m_community 46	0.254	0.260	0.261	0.258
## m_community 47	0.254	0.261	0.261	0.258
## m_community 48	0.254	0.260	0.261	0.260
## m_community 49	0.256	0.259	0.260	0.260
## m_community 50	0.255	0.260	0.259	0.254
## m_community 51	0.262	0.258	0.261	0.259
## m_community 52	0.253	0.261	0.260	0.259
## m_community 53	0.258	0.260	0.260	0.257
## m_community 54	0.256	0.259	0.263	0.262
## m_community 55	0.257	0.264	0.261	0.260
## m_community 56	0.255	0.263	0.260	0.259
## m_community 57	NA	0.261	0.253	0.250
## m_community 58	0.261	NA	0.262	0.259
## m_community 59	0.253	0.262	NA	0.260
## m_community 60	0.250	0.259	0.260	NA

## m_community 61	0.248	0.260	0.254	0.254
## m_community 62	0.256	0.261	0.261	0.258
## m_community 63	0.259	0.260	0.263	0.260
## m_community 64	0.259	0.261	0.258	0.258
## m_community 65	0.258	0.261	0.261	0.259
## m_community 66	0.264	0.259	0.266	0.264
## m_community 67	0.253	0.259	0.259	0.256
## m_community 68	0.264	0.269	0.266	0.262
## m_community 69	0.255	0.259	0.261	0.259
## m_community 70	0.271	0.264	0.266	0.264
## m_community 71	0.262	0.261	0.260	0.258
## m_community 72	0.260	0.263	0.261	0.263
## m_community 73	0.241	0.244	0.248	0.251
##	m_community 61	m_community 62	m_community 63	m_community 64
## m_community 1	0.257	0.268	0.268	0.260
## m_community 2	0.259	0.261	0.264	0.260
## m_community 3	0.263	0.265	0.262	0.260
## m_community 4	0.257	0.261	0.265	0.260
## m_community 5	0.262	0.262	0.261	0.259
## m_community 6	0.257	0.263	0.264	0.257
## m_community 7	0.259	0.264	0.260	0.258
## m_community 8	0.261	0.262	0.262	0.259
## m_community 9	0.259	0.263	0.263	0.259
## m_community 10	0.258	0.261	0.268	0.265
## m_community 11	0.262	0.260	0.254	0.255
## m_community 12	0.260	0.259	0.258	0.256
## m_community 13	0.257	0.257	0.259	0.260
## m_community 14	0.257	0.261	0.262	0.258
## m_community 15	0.260	0.262	0.262	0.256
## m_community 16	0.258	0.261	0.260	0.258
## m_community 17	0.258	0.265	0.263	0.259
## m_community 18	0.250	0.260	0.257	0.256
## m_community 19	0.260	0.259	0.263	0.253
## m_community 20	0.255	0.258	0.261	0.258
## m_community 21	0.257	0.263	0.261	0.257
## m_community 22	0.261	0.265	0.267	0.266
## m_community 23	0.252	0.257	0.258	0.253
## m_community 24	0.260	0.262	0.266	0.262

## m_community 25	0.262	0.257	0.261	0.255
## m_community 26	0.263	0.264	0.261	0.261
## m_community 27	0.255	0.263	0.256	0.256
## m_community 28	0.260	0.260	0.261	0.255
## m_community 29	0.258	0.258	0.259	0.256
## m_community 30	0.247	0.262	0.258	0.251
## m_community 31	0.258	0.260	0.258	0.257
## m_community 32	0.261	0.257	0.261	0.255
## m_community 33	0.257	0.257	0.260	0.256
## m_community 34	0.264	0.268	0.263	0.257
## m_community 35	0.257	0.262	0.260	0.258
## m_community 36	0.261	0.261	0.261	0.258
## m_community 37	0.261	0.264	0.264	0.259
## m_community 38	0.255	0.261	0.262	0.259
## m_community 39	0.256	0.262	0.258	0.260
## m_community 40	0.258	0.261	0.261	0.258
## m_community 41	0.260	0.258	0.261	0.257
## m_community 42	0.259	0.261	0.259	0.259
## m_community 43	0.259	0.261	0.262	0.258
## m_community 44	0.262	0.267	0.265	0.259
## m_community 45	0.260	0.262	0.265	0.259
## m_community 46	0.261	0.259	0.260	0.257
## m_community 47	0.259	0.262	0.262	0.257
## m_community 48	0.252	0.258	0.258	0.259
## m_community 49	0.256	0.263	0.259	0.257
## m_community 50	0.262	0.258	0.260	0.253
## m_community 51	0.257	0.261	0.261	0.259
## m_community 52	0.255	0.260	0.262	0.256
## m_community 53	0.261	0.260	0.261	0.258
## m_community 54	0.258	0.266	0.264	0.259
## m_community 55	0.259	0.261	0.263	0.260
## m_community 56	0.258	0.261	0.259	0.253
## m_community 57	0.248	0.256	0.259	0.259
## m_community 58	0.260	0.261	0.260	0.261
## m_community 59	0.254	0.261	0.263	0.258
## m_community 60	0.254	0.258	0.260	0.258
## m_community 61	NA	0.265	0.264	0.258
## m_community 62	0.265	NA	0.262	0.256

## m_community 63	0.264	0.262	NA	0.255
## m_community 64	0.258	0.256	0.255	NA
## m_community 65	0.257	0.260	0.261	0.258
## m_community 66	0.265	0.268	0.267	0.261
## m_community 67	0.256	0.261	0.258	0.255
## m_community 68	0.262	0.268	0.263	0.263
## m_community 69	0.254	0.265	0.261	0.261
## m_community 70	0.261	0.266	0.257	0.255
## m_community 71	0.262	0.261	0.264	0.256
## m_community 72	0.261	0.262	0.268	0.257
## m_community 73	0.251	0.252	0.254	0.238
##	m_community 65	m_community 66	m_community 67	m_community 68
## m_community 1	0.267	0.265	0.261	0.266
## m_community 2	0.261	0.263	0.262	0.263
## m_community 3	0.261	0.262	0.260	0.264
## m_community 4	0.262	0.265	0.260	0.267
## m_community 5	0.259	0.267	0.258	0.265
## m_community 6	0.261	0.266	0.258	0.265
## m_community 7	0.257	0.254	0.251	0.258
## m_community 8	0.261	0.265	0.258	0.266
## m_community 9	0.260	0.265	0.261	0.267
## m_community 10	0.265	0.265	0.260	0.265
## m_community 11	0.258	0.264	0.256	0.265
## m_community 12	0.261	0.265	0.260	0.266
## m_community 13	0.258	0.265	0.255	0.266
## m_community 14	0.258	0.262	0.257	0.265
## m_community 15	0.260	0.263	0.260	0.266
## m_community 16	0.262	0.266	0.259	0.266
## m_community 17	0.262	0.267	0.260	0.267
## m_community 18	0.262	0.266	0.255	0.265
## m_community 19	0.256	0.256	0.259	0.264
## m_community 20	0.259	0.267	0.256	0.272
## m_community 21	0.260	0.264	0.259	0.262
## m_community 22	0.263	0.275	0.264	0.269
## m_community 23	0.256	0.258	0.255	0.259
## m_community 24	0.266	0.270	0.262	0.274
## m_community 25	0.262	0.265	0.261	0.262
## m_community 26	0.264	0.268	0.259	0.267

## m_community 27	0.260	0.266	0.259	0.260
## m_community 28	0.261	0.259	0.255	0.267
## m_community 29	0.257	0.265	0.257	0.257
## m_community 30	0.259	0.268	0.262	0.257
## m_community 31	0.261	0.267	0.259	0.265
## m_community 32	0.258	0.264	0.257	0.262
## m_community 33	0.258	0.264	0.256	0.264
## m_community 34	0.264	0.270	0.261	0.273
## m_community 35	0.262	0.266	0.257	0.264
## m_community 36	0.261	0.263	0.260	0.265
## m_community 37	0.263	0.267	0.263	0.266
## m_community 38	0.260	0.260	0.260	0.264
## m_community 39	0.259	0.265	0.254	0.265
## m_community 40	0.260	0.265	0.257	0.264
## m_community 41	0.260	0.266	0.258	0.266
## m_community 42	0.260	0.266	0.258	0.267
## m_community 43	0.260	0.266	0.258	0.262
## m_community 44	0.265	0.263	0.263	0.268
## m_community 45	0.260	0.263	0.259	0.265
## m_community 46	0.261	0.264	0.258	0.266
## m_community 47	0.262	0.265	0.257	0.264
## m_community 48	0.260	0.264	0.261	0.264
## m_community 49	0.258	0.265	0.260	0.263
## m_community 50	0.259	0.263	0.255	0.264
## m_community 51	0.256	0.258	0.258	0.263
## m_community 52	0.260	0.260	0.258	0.261
## m_community 53	0.259	0.266	0.259	0.264
## m_community 54	0.261	0.265	0.260	0.266
## m_community 55	0.262	0.265	0.258	0.264
## m_community 56	0.262	0.259	0.258	0.266
## m_community 57	0.258	0.264	0.253	0.264
## m_community 58	0.261	0.259	0.259	0.269
## m_community 59	0.261	0.266	0.259	0.266
## m_community 60	0.259	0.264	0.256	0.262
## m_community 61	0.257	0.265	0.256	0.262
## m_community 62	0.260	0.268	0.261	0.268
## m_community 63	0.261	0.267	0.258	0.263
## m_community 64	0.258	0.261	0.255	0.263

## m_community 65	NA	0.266	0.256	0.264
## m_community 66	0.266	NA	0.260	0.266
## m_community 67	0.256	0.260	NA	0.267
## m_community 68	0.264	0.266	0.267	NA
## m_community 69	0.260	0.262	0.258	0.267
## m_community 70	0.262	0.277	0.263	0.272
## m_community 71	0.261	0.266	0.258	0.267
## m_community 72	0.264	0.260	0.259	0.268
## m_community 73	0.248	0.251	0.244	0.258
##	m_community 69	m_community 70	m_community 71	m_community 72
## m_community 1	0.265	0.266	0.264	0.266
## m_community 2	0.260	0.267	0.263	0.259
## m_community 3	0.262	0.269	0.261	0.267
## m_community 4	0.262	0.267	0.262	0.262
## m_community 5	0.263	0.262	0.257	0.263
## m_community 6	0.260	0.264	0.262	0.261
## m_community 7	0.258	0.253	0.261	0.252
## m_community 8	0.260	0.260	0.261	0.256
## m_community 9	0.260	0.261	0.261	0.259
## m_community 10	0.264	0.266	0.262	0.261
## m_community 11	0.254	0.254	0.258	0.261
## m_community 12	0.262	0.263	0.261	0.262
## m_community 13	0.260	0.261	0.256	0.258
## m_community 14	0.259	0.266	0.261	0.260
## m_community 15	0.257	0.262	0.262	0.257
## m_community 16	0.261	0.261	0.263	0.261
## m_community 17	0.261	0.265	0.261	0.260
## m_community 18	0.261	0.260	0.259	0.265
## m_community 19	0.253	0.257	0.267	0.264
## m_community 20	0.263	0.267	0.263	0.266
## m_community 21	0.260	0.264	0.260	0.258
## m_community 22	0.263	0.261	0.265	0.267
## m_community 23	0.256	0.262	0.257	0.260
## m_community 24	0.262	0.260	0.268	0.257
## m_community 25	0.263	0.262	0.261	0.261
## m_community 26	0.261	0.263	0.260	0.261
## m_community 27	0.257	0.261	0.260	0.257
## m_community 28	0.259	0.262	0.260	0.259

## m_community 29	0.258	0.265	0.257	0.257
## m_community 30	0.260	0.260	0.259	0.267
## m_community 31	0.261	0.261	0.260	0.260
## m_community 32	0.259	0.261	0.258	0.259
## m_community 33	0.255	0.260	0.259	0.258
## m_community 34	0.265	0.262	0.263	0.269
## m_community 35	0.261	0.263	0.259	0.263
## m_community 36	0.261	0.263	0.262	0.260
## m_community 37	0.262	0.265	0.265	0.263
## m_community 38	0.257	0.261	0.262	0.260
## m_community 39	0.259	0.263	0.263	0.264
## m_community 40	0.260	0.265	0.261	0.260
## m_community 41	0.261	0.261	0.260	0.261
## m_community 42	0.261	0.263	0.261	0.261
## m_community 43	0.261	0.262	0.262	0.263
## m_community 44	0.263	0.273	0.265	0.263
## m_community 45	0.260	0.267	0.259	0.263
## m_community 46	0.261	0.261	0.262	0.259
## m_community 47	0.260	0.268	0.262	0.262
## m_community 48	0.262	0.267	0.261	0.263
## m_community 49	0.260	0.262	0.262	0.263
## m_community 50	0.257	0.262	0.257	0.259
## m_community 51	0.260	0.260	0.256	0.262
## m_community 52	0.256	0.268	0.265	0.254
## m_community 53	0.258	0.261	0.260	0.264
## m_community 54	0.261	0.269	0.264	0.264
## m_community 55	0.261	0.264	0.263	0.261
## m_community 56	0.261	0.260	0.262	0.265
## m_community 57	0.255	0.271	0.262	0.260
## m_community 58	0.259	0.264	0.261	0.263
## m_community 59	0.261	0.266	0.260	0.261
## m_community 60	0.259	0.264	0.258	0.263
## m_community 61	0.254	0.261	0.262	0.261
## m_community 62	0.265	0.266	0.261	0.262
## m_community 63	0.261	0.257	0.264	0.268
## m_community 64	0.261	0.255	0.256	0.257
## m_community 65	0.260	0.262	0.261	0.264
## m_community 66	0.262	0.277	0.266	0.260

## m_community 67	0.258	0.263	0.258	0.259
## m_community 68	0.267	0.272	0.267	0.268
## m_community 69	NA	0.267	0.263	0.260
## m_community 70	0.267	NA	0.264	0.269
## m_community 71	0.263	0.264	NA	0.258
## m_community 72	0.260	0.269	0.258	NA
## m_community 73	0.252	0.253	0.251	0.246
##	m_community 73			
## m_community 1	0.246			
## m_community 2	0.252			
## m_community 3	0.257			
## m_community 4	0.249			
## m_community 5	0.240			
## m_community 6	0.248			
## m_community 7	0.247			
## m_community 8	0.245			
## m_community 9	0.247			
## m_community 10	0.257			
## m_community 11	0.250			
## m_community 12	0.250			
## m_community 13	0.244			
## m_community 14	0.246			
## m_community 15	0.239			
## m_community 16	0.248			
## m_community 17	0.254			
## m_community 18	0.240			
## m_community 19	0.249			
## m_community 20	0.249			
## m_community 21	0.245			
## m_community 22	0.267			
## m_community 23	0.247			
## m_community 24	0.249			
## m_community 25	0.258			
## m_community 26	0.247			
## m_community 27	0.252			
## m_community 28	0.253			
## m_community 29	0.254			
## m_community 30	0.247			

## m_community 31	0.243
## m_community 32	0.250
## m_community 33	0.253
## m_community 34	0.257
## m_community 35	0.257
## m_community 36	0.244
## m_community 37	0.254
## m_community 38	0.249
## m_community 39	0.249
## m_community 40	0.250
## m_community 41	0.245
## m_community 42	0.247
## m_community 43	0.247
## m_community 44	0.252
## m_community 45	0.252
## m_community 46	0.251
## m_community 47	0.251
## m_community 48	0.248
## m_community 49	0.250
## m_community 50	0.247
## m_community 51	0.247
## m_community 52	0.247
## m_community 53	0.250
## m_community 54	0.248
## m_community 55	0.245
## m_community 56	0.250
## m_community 57	0.241
## m_community 58	0.244
## m_community 59	0.248
## m_community 60	0.251
## m_community 61	0.251
## m_community 62	0.252
## m_community 63	0.254
## m_community 64	0.238
## m_community 65	0.248
## m_community 66	0.251
## m_community 67	0.244
## m_community 68	0.258

```

## m_community 69      0.252
## m_community 70      0.253
## m_community 71      0.251
## m_community 72      0.246
## m_community 73      NA
##
## $null_Beta_MPD_std
##      m_community 1 m_community 2 m_community 3 m_community 4
## m_community 1      NA      0.036      0.038      0.040
## m_community 2      0.036      NA      0.024      0.028
## m_community 3      0.038      0.024      NA      0.030
## m_community 4      0.040      0.028      0.030      NA
## m_community 5      0.038      0.019      0.026      0.033
## m_community 6      0.034      0.020      0.021      0.030
## m_community 7      0.056      0.040      0.047      0.055
## m_community 8      0.030      0.021      0.028      0.032
## m_community 9      0.035      0.019      0.023      0.029
## m_community 10     0.042      0.029      0.030      0.039
## m_community 11     0.043      0.031      0.033      0.038
## m_community 12     0.033      0.021      0.021      0.028
## m_community 13     0.041      0.025      0.029      0.036
## m_community 14     0.033      0.023      0.027      0.032
## m_community 15     0.039      0.027      0.027      0.034
## m_community 16     0.034      0.019      0.024      0.028
## m_community 17     0.050      0.034      0.035      0.041
## m_community 18     0.048      0.032      0.037      0.049
## m_community 19     0.060      0.037      0.040      0.054
## m_community 20     0.045      0.025      0.027      0.038
## m_community 21     0.035      0.023      0.026      0.031
## m_community 22     0.044      0.030      0.033      0.048
## m_community 23     0.034      0.023      0.021      0.032
## m_community 24     0.045      0.036      0.040      0.045
## m_community 25     0.043      0.028      0.033      0.041
## m_community 26     0.043      0.034      0.035      0.044
## m_community 27     0.039      0.023      0.027      0.038
## m_community 28     0.042      0.027      0.027      0.034
## m_community 29     0.041      0.027      0.031      0.038
## m_community 30     0.058      0.043      0.046      0.058

```

## m_community 31	0.031	0.018	0.021	0.030
## m_community 32	0.035	0.022	0.023	0.034
## m_community 33	0.037	0.021	0.022	0.031
## m_community 34	0.046	0.034	0.035	0.038
## m_community 35	0.038	0.026	0.031	0.036
## m_community 36	0.033	0.017	0.021	0.026
## m_community 37	0.029	0.016	0.018	0.024
## m_community 38	0.034	0.019	0.022	0.029
## m_community 39	0.040	0.033	0.033	0.037
## m_community 40	0.028	0.016	0.018	0.026
## m_community 41	0.037	0.021	0.024	0.030
## m_community 42	0.035	0.024	0.025	0.033
## m_community 43	0.029	0.020	0.023	0.027
## m_community 44	0.040	0.029	0.027	0.036
## m_community 45	0.037	0.027	0.024	0.034
## m_community 46	0.029	0.019	0.020	0.030
## m_community 47	0.035	0.022	0.024	0.032
## m_community 48	0.038	0.024	0.029	0.037
## m_community 49	0.034	0.021	0.022	0.027
## m_community 50	0.036	0.021	0.026	0.034
## m_community 51	0.047	0.030	0.038	0.038
## m_community 52	0.042	0.029	0.031	0.041
## m_community 53	0.037	0.025	0.027	0.031
## m_community 54	0.037	0.024	0.025	0.029
## m_community 55	0.033	0.022	0.023	0.030
## m_community 56	0.041	0.027	0.032	0.034
## m_community 57	0.054	0.038	0.036	0.048
## m_community 58	0.037	0.025	0.025	0.028
## m_community 59	0.035	0.019	0.023	0.029
## m_community 60	0.039	0.023	0.028	0.037
## m_community 61	0.060	0.044	0.050	0.059
## m_community 62	0.042	0.030	0.028	0.039
## m_community 63	0.039	0.026	0.029	0.037
## m_community 64	0.036	0.026	0.027	0.038
## m_community 65	0.034	0.020	0.024	0.033
## m_community 66	0.049	0.034	0.042	0.041
## m_community 67	0.042	0.024	0.029	0.038
## m_community 68	0.049	0.032	0.038	0.044

## m_community 69	0.036	0.022	0.025	0.031
## m_community 70	0.047	0.038	0.045	0.051
## m_community 71	0.042	0.024	0.031	0.039
## m_community 72	0.048	0.033	0.037	0.045
## m_community 73	0.069	0.055	0.062	0.066
##	m_community 5	m_community 6	m_community 7	m_community 8
## m_community 1	0.038	0.034	0.056	0.030
## m_community 2	0.019	0.020	0.040	0.021
## m_community 3	0.026	0.021	0.047	0.028
## m_community 4	0.033	0.030	0.055	0.032
## m_community 5	NA	0.021	0.047	0.028
## m_community 6	0.021	NA	0.042	0.021
## m_community 7	0.047	0.042	NA	0.049
## m_community 8	0.028	0.021	0.049	NA
## m_community 9	0.023	0.019	0.040	0.025
## m_community 10	0.035	0.028	0.049	0.028
## m_community 11	0.033	0.028	0.058	0.034
## m_community 12	0.024	0.018	0.041	0.023
## m_community 13	0.031	0.025	0.050	0.028
## m_community 14	0.024	0.022	0.040	0.025
## m_community 15	0.031	0.023	0.048	0.028
## m_community 16	0.024	0.017	0.036	0.022
## m_community 17	0.041	0.031	0.062	0.036
## m_community 18	0.036	0.032	0.071	0.041
## m_community 19	0.044	0.045	0.079	0.052
## m_community 20	0.031	0.026	0.053	0.027
## m_community 21	0.027	0.019	0.040	0.021
## m_community 22	0.039	0.038	0.064	0.035
## m_community 23	0.023	0.019	0.039	0.021
## m_community 24	0.038	0.036	0.070	0.040
## m_community 25	0.031	0.029	0.060	0.032
## m_community 26	0.038	0.034	0.061	0.037
## m_community 27	0.029	0.025	0.053	0.026
## m_community 28	0.028	0.021	0.049	0.026
## m_community 29	0.033	0.028	0.054	0.030
## m_community 30	0.055	0.041	0.073	0.048
## m_community 31	0.022	0.016	0.036	0.021
## m_community 32	0.026	0.020	0.046	0.025

## m_community 33	0.025	0.019	0.042	0.024
## m_community 34	0.039	0.031	0.059	0.033
## m_community 35	0.029	0.024	0.048	0.030
## m_community 36	0.022	0.017	0.037	0.022
## m_community 37	0.020	0.016	0.034	0.018
## m_community 38	0.022	0.018	0.036	0.021
## m_community 39	0.034	0.028	0.056	0.034
## m_community 40	0.019	0.016	0.036	0.017
## m_community 41	0.023	0.019	0.040	0.025
## m_community 42	0.026	0.023	0.044	0.024
## m_community 43	0.023	0.018	0.042	0.020
## m_community 44	0.030	0.028	0.047	0.027
## m_community 45	0.028	0.023	0.047	0.029
## m_community 46	0.020	0.017	0.040	0.021
## m_community 47	0.025	0.022	0.041	0.025
## m_community 48	0.033	0.027	0.048	0.030
## m_community 49	0.025	0.020	0.041	0.021
## m_community 50	0.030	0.022	0.046	0.027
## m_community 51	0.035	0.030	0.061	0.036
## m_community 52	0.039	0.029	0.055	0.037
## m_community 53	0.026	0.024	0.044	0.026
## m_community 54	0.030	0.023	0.048	0.027
## m_community 55	0.028	0.021	0.039	0.025
## m_community 56	0.030	0.026	0.055	0.032
## m_community 57	0.039	0.036	0.072	0.042
## m_community 58	0.023	0.020	0.040	0.028
## m_community 59	0.025	0.019	0.039	0.022
## m_community 60	0.026	0.022	0.045	0.028
## m_community 61	0.048	0.036	0.083	0.046
## m_community 62	0.029	0.024	0.050	0.028
## m_community 63	0.034	0.022	0.049	0.026
## m_community 64	0.028	0.027	0.055	0.028
## m_community 65	0.026	0.020	0.045	0.024
## m_community 66	0.037	0.031	0.058	0.040
## m_community 67	0.031	0.024	0.053	0.025
## m_community 68	0.038	0.033	0.067	0.040
## m_community 69	0.030	0.022	0.049	0.027
## m_community 70	0.041	0.038	0.072	0.040

## m_community 71	0.032	0.027	0.049	0.030
## m_community 72	0.041	0.034	0.063	0.041
## m_community 73	0.058	0.048	0.105	0.060
##	m_community 9	m_community 10	m_community 11	m_community 12
## m_community 1	0.035	0.042	0.043	0.033
## m_community 2	0.019	0.029	0.031	0.021
## m_community 3	0.023	0.030	0.033	0.021
## m_community 4	0.029	0.039	0.038	0.028
## m_community 5	0.023	0.035	0.033	0.024
## m_community 6	0.019	0.028	0.028	0.018
## m_community 7	0.040	0.049	0.058	0.041
## m_community 8	0.025	0.028	0.034	0.023
## m_community 9	NA	0.029	0.031	0.018
## m_community 10	0.029	NA	0.038	0.031
## m_community 11	0.031	0.038	NA	0.028
## m_community 12	0.018	0.031	0.028	NA
## m_community 13	0.026	0.034	0.035	0.027
## m_community 14	0.024	0.032	0.031	0.021
## m_community 15	0.024	0.034	0.035	0.025
## m_community 16	0.019	0.027	0.030	0.021
## m_community 17	0.033	0.046	0.049	0.032
## m_community 18	0.033	0.045	0.049	0.033
## m_community 19	0.044	0.058	0.058	0.043
## m_community 20	0.025	0.036	0.036	0.027
## m_community 21	0.020	0.029	0.031	0.019
## m_community 22	0.034	0.039	0.046	0.030
## m_community 23	0.018	0.030	0.029	0.019
## m_community 24	0.035	0.044	0.047	0.040
## m_community 25	0.027	0.040	0.041	0.030
## m_community 26	0.031	0.043	0.050	0.035
## m_community 27	0.027	0.033	0.037	0.022
## m_community 28	0.024	0.035	0.040	0.026
## m_community 29	0.025	0.038	0.035	0.027
## m_community 30	0.044	0.062	0.060	0.044
## m_community 31	0.018	0.028	0.026	0.018
## m_community 32	0.022	0.033	0.033	0.023
## m_community 33	0.022	0.033	0.031	0.021
## m_community 34	0.031	0.043	0.042	0.030

## m_community 35	0.025	0.037	0.035	0.030
## m_community 36	0.019	0.026	0.025	0.018
## m_community 37	0.016	0.024	0.025	0.017
## m_community 38	0.021	0.027	0.028	0.021
## m_community 39	0.027	0.040	0.043	0.032
## m_community 40	0.017	0.024	0.027	0.015
## m_community 41	0.019	0.032	0.030	0.020
## m_community 42	0.022	0.031	0.033	0.023
## m_community 43	0.018	0.031	0.029	0.019
## m_community 44	0.026	0.040	0.035	0.029
## m_community 45	0.026	0.034	0.034	0.025
## m_community 46	0.017	0.031	0.029	0.019
## m_community 47	0.022	0.032	0.032	0.020
## m_community 48	0.026	0.033	0.035	0.025
## m_community 49	0.018	0.031	0.031	0.020
## m_community 50	0.023	0.029	0.036	0.024
## m_community 51	0.030	0.043	0.047	0.032
## m_community 52	0.027	0.041	0.042	0.030
## m_community 53	0.020	0.033	0.034	0.024
## m_community 54	0.025	0.030	0.037	0.025
## m_community 55	0.019	0.031	0.030	0.023
## m_community 56	0.030	0.037	0.041	0.029
## m_community 57	0.035	0.050	0.055	0.037
## m_community 58	0.024	0.033	0.031	0.024
## m_community 59	0.021	0.027	0.030	0.017
## m_community 60	0.025	0.032	0.035	0.024
## m_community 61	0.041	0.053	0.059	0.039
## m_community 62	0.025	0.038	0.034	0.028
## m_community 63	0.024	0.033	0.036	0.029
## m_community 64	0.023	0.036	0.037	0.026
## m_community 65	0.021	0.031	0.033	0.022
## m_community 66	0.035	0.047	0.052	0.033
## m_community 67	0.025	0.034	0.037	0.026
## m_community 68	0.036	0.043	0.052	0.033
## m_community 69	0.020	0.030	0.033	0.022
## m_community 70	0.038	0.047	0.048	0.040
## m_community 71	0.023	0.035	0.037	0.026
## m_community 72	0.035	0.047	0.045	0.033

## m_community 73	0.047	0.070	0.076	0.051
##	m_community 13	m_community 14	m_community 15	m_community 16
## m_community 1	0.041	0.033	0.039	0.034
## m_community 2	0.025	0.023	0.027	0.019
## m_community 3	0.029	0.027	0.027	0.024
## m_community 4	0.036	0.032	0.034	0.028
## m_community 5	0.031	0.024	0.031	0.024
## m_community 6	0.025	0.022	0.023	0.017
## m_community 7	0.050	0.040	0.048	0.036
## m_community 8	0.028	0.025	0.028	0.022
## m_community 9	0.026	0.024	0.024	0.019
## m_community 10	0.034	0.032	0.034	0.027
## m_community 11	0.035	0.031	0.035	0.030
## m_community 12	0.027	0.021	0.025	0.021
## m_community 13	NA	0.027	0.029	0.028
## m_community 14	0.027	NA	0.028	0.022
## m_community 15	0.029	0.028	NA	0.027
## m_community 16	0.028	0.022	0.027	NA
## m_community 17	0.042	0.036	0.040	0.033
## m_community 18	0.041	0.036	0.042	0.031
## m_community 19	0.051	0.047	0.049	0.041
## m_community 20	0.035	0.026	0.031	0.027
## m_community 21	0.026	0.021	0.022	0.023
## m_community 22	0.041	0.037	0.042	0.029
## m_community 23	0.025	0.023	0.023	0.018
## m_community 24	0.045	0.035	0.038	0.038
## m_community 25	0.034	0.033	0.031	0.029
## m_community 26	0.042	0.037	0.040	0.034
## m_community 27	0.031	0.029	0.028	0.024
## m_community 28	0.032	0.029	0.031	0.025
## m_community 29	0.031	0.030	0.036	0.026
## m_community 30	0.053	0.048	0.046	0.042
## m_community 31	0.022	0.019	0.023	0.017
## m_community 32	0.030	0.026	0.031	0.021
## m_community 33	0.027	0.026	0.027	0.021
## m_community 34	0.039	0.034	0.045	0.036
## m_community 35	0.032	0.028	0.031	0.024
## m_community 36	0.025	0.019	0.020	0.016

## m_community 37	0.020	0.017	0.019	0.015
## m_community 38	0.028	0.022	0.022	0.018
## m_community 39	0.038	0.033	0.034	0.030
## m_community 40	0.021	0.017	0.020	0.016
## m_community 41	0.026	0.022	0.025	0.021
## m_community 42	0.031	0.024	0.026	0.023
## m_community 43	0.026	0.021	0.024	0.018
## m_community 44	0.038	0.029	0.031	0.025
## m_community 45	0.028	0.026	0.029	0.023
## m_community 46	0.025	0.021	0.021	0.019
## m_community 47	0.028	0.027	0.028	0.021
## m_community 48	0.035	0.030	0.039	0.023
## m_community 49	0.025	0.022	0.028	0.022
## m_community 50	0.033	0.028	0.031	0.024
## m_community 51	0.047	0.034	0.035	0.033
## m_community 52	0.034	0.031	0.039	0.027
## m_community 53	0.029	0.026	0.029	0.022
## m_community 54	0.032	0.025	0.033	0.023
## m_community 55	0.028	0.024	0.027	0.023
## m_community 56	0.037	0.028	0.034	0.029
## m_community 57	0.049	0.038	0.040	0.036
## m_community 58	0.028	0.024	0.033	0.021
## m_community 59	0.025	0.022	0.026	0.020
## m_community 60	0.033	0.026	0.025	0.025
## m_community 61	0.048	0.041	0.051	0.038
## m_community 62	0.036	0.027	0.030	0.024
## m_community 63	0.031	0.024	0.031	0.024
## m_community 64	0.032	0.028	0.030	0.023
## m_community 65	0.028	0.026	0.029	0.021
## m_community 66	0.042	0.043	0.039	0.033
## m_community 67	0.035	0.027	0.032	0.024
## m_community 68	0.040	0.039	0.044	0.032
## m_community 69	0.027	0.023	0.028	0.022
## m_community 70	0.043	0.038	0.044	0.038
## m_community 71	0.035	0.030	0.030	0.027
## m_community 72	0.041	0.040	0.038	0.034
## m_community 73	0.063	0.056	0.061	0.049
##	m_community 17	m_community 18	m_community 19	m_community 20

## m_community 1	0.050	0.048	0.060	0.045
## m_community 2	0.034	0.032	0.037	0.025
## m_community 3	0.035	0.037	0.040	0.027
## m_community 4	0.041	0.049	0.054	0.038
## m_community 5	0.041	0.036	0.044	0.031
## m_community 6	0.031	0.032	0.045	0.026
## m_community 7	0.062	0.071	0.079	0.053
## m_community 8	0.036	0.041	0.052	0.027
## m_community 9	0.033	0.033	0.044	0.025
## m_community 10	0.046	0.045	0.058	0.036
## m_community 11	0.049	0.049	0.058	0.036
## m_community 12	0.032	0.033	0.043	0.027
## m_community 13	0.042	0.041	0.051	0.035
## m_community 14	0.036	0.036	0.047	0.026
## m_community 15	0.040	0.042	0.049	0.031
## m_community 16	0.033	0.031	0.041	0.027
## m_community 17	NA	0.048	0.063	0.038
## m_community 18	0.048	NA	0.058	0.042
## m_community 19	0.063	0.058	NA	0.048
## m_community 20	0.038	0.042	0.048	NA
## m_community 21	0.033	0.035	0.042	0.026
## m_community 22	0.049	0.046	0.063	0.046
## m_community 23	0.034	0.033	0.044	0.025
## m_community 24	0.052	0.053	0.061	0.049
## m_community 25	0.040	0.045	0.051	0.034
## m_community 26	0.052	0.052	0.053	0.042
## m_community 27	0.044	0.037	0.052	0.029
## m_community 28	0.042	0.035	0.048	0.031
## m_community 29	0.043	0.043	0.058	0.035
## m_community 30	0.062	0.060	0.078	0.052
## m_community 31	0.030	0.029	0.036	0.024
## m_community 32	0.038	0.038	0.042	0.027
## m_community 33	0.036	0.033	0.044	0.029
## m_community 34	0.044	0.045	0.060	0.034
## m_community 35	0.035	0.042	0.045	0.031
## m_community 36	0.032	0.031	0.039	0.023
## m_community 37	0.028	0.028	0.037	0.021
## m_community 38	0.033	0.032	0.039	0.027

## m_community 39	0.044	0.044	0.055	0.038
## m_community 40	0.031	0.030	0.032	0.022
## m_community 41	0.032	0.034	0.044	0.027
## m_community 42	0.032	0.038	0.042	0.028
## m_community 43	0.031	0.033	0.038	0.027
## m_community 44	0.042	0.041	0.058	0.033
## m_community 45	0.040	0.036	0.048	0.029
## m_community 46	0.030	0.035	0.042	0.026
## m_community 47	0.036	0.034	0.050	0.027
## m_community 48	0.040	0.043	0.053	0.032
## m_community 49	0.037	0.038	0.040	0.026
## m_community 50	0.039	0.040	0.044	0.033
## m_community 51	0.053	0.050	0.053	0.039
## m_community 52	0.042	0.047	0.054	0.039
## m_community 53	0.037	0.032	0.041	0.028
## m_community 54	0.038	0.043	0.046	0.033
## m_community 55	0.033	0.035	0.041	0.029
## m_community 56	0.042	0.047	0.045	0.036
## m_community 57	0.056	0.056	0.081	0.045
## m_community 58	0.040	0.033	0.047	0.025
## m_community 59	0.032	0.033	0.042	0.026
## m_community 60	0.039	0.037	0.046	0.032
## m_community 61	0.064	0.069	0.070	0.052
## m_community 62	0.038	0.043	0.050	0.033
## m_community 63	0.039	0.044	0.053	0.031
## m_community 64	0.036	0.046	0.049	0.032
## m_community 65	0.033	0.036	0.045	0.028
## m_community 66	0.047	0.058	0.059	0.041
## m_community 67	0.037	0.044	0.048	0.036
## m_community 68	0.047	0.059	0.058	0.040
## m_community 69	0.034	0.041	0.045	0.026
## m_community 70	0.052	0.053	0.066	0.049
## m_community 71	0.038	0.039	0.050	0.034
## m_community 72	0.050	0.059	0.060	0.037
## m_community 73	0.074	0.087	0.095	0.065
##	m_community 21	m_community 22	m_community 23	m_community 24
## m_community 1	0.035	0.044	0.034	0.045
## m_community 2	0.023	0.030	0.023	0.036

## m_community 3	0.026	0.033	0.021	0.040
## m_community 4	0.031	0.048	0.032	0.045
## m_community 5	0.027	0.039	0.023	0.038
## m_community 6	0.019	0.038	0.019	0.036
## m_community 7	0.040	0.064	0.039	0.070
## m_community 8	0.021	0.035	0.021	0.040
## m_community 9	0.020	0.034	0.018	0.035
## m_community 10	0.029	0.039	0.030	0.044
## m_community 11	0.031	0.046	0.029	0.047
## m_community 12	0.019	0.030	0.019	0.040
## m_community 13	0.026	0.041	0.025	0.045
## m_community 14	0.021	0.037	0.023	0.035
## m_community 15	0.022	0.042	0.023	0.038
## m_community 16	0.023	0.029	0.018	0.038
## m_community 17	0.033	0.049	0.034	0.052
## m_community 18	0.035	0.046	0.033	0.053
## m_community 19	0.042	0.063	0.044	0.061
## m_community 20	0.026	0.046	0.025	0.049
## m_community 21	NA	0.035	0.020	0.036
## m_community 22	0.035	NA	0.036	0.059
## m_community 23	0.020	0.036	NA	0.038
## m_community 24	0.036	0.059	0.038	NA
## m_community 25	0.027	0.047	0.030	0.049
## m_community 26	0.037	0.052	0.038	0.054
## m_community 27	0.024	0.037	0.026	0.042
## m_community 28	0.024	0.040	0.026	0.042
## m_community 29	0.028	0.044	0.028	0.045
## m_community 30	0.039	0.055	0.043	0.067
## m_community 31	0.019	0.030	0.020	0.036
## m_community 32	0.022	0.039	0.023	0.036
## m_community 33	0.021	0.033	0.022	0.038
## m_community 34	0.033	0.044	0.027	0.055
## m_community 35	0.026	0.037	0.026	0.048
## m_community 36	0.017	0.030	0.017	0.036
## m_community 37	0.018	0.032	0.015	0.029
## m_community 38	0.019	0.035	0.021	0.035
## m_community 39	0.034	0.043	0.030	0.051
## m_community 40	0.018	0.029	0.014	0.032

## m_community 41	0.018	0.030	0.020	0.035
## m_community 42	0.027	0.035	0.025	0.037
## m_community 43	0.020	0.035	0.019	0.034
## m_community 44	0.027	0.045	0.029	0.043
## m_community 45	0.024	0.039	0.025	0.037
## m_community 46	0.019	0.033	0.019	0.036
## m_community 47	0.024	0.038	0.023	0.039
## m_community 48	0.025	0.041	0.026	0.040
## m_community 49	0.021	0.032	0.019	0.034
## m_community 50	0.024	0.043	0.025	0.039
## m_community 51	0.032	0.046	0.029	0.050
## m_community 52	0.028	0.044	0.030	0.052
## m_community 53	0.023	0.035	0.026	0.038
## m_community 54	0.022	0.038	0.025	0.040
## m_community 55	0.022	0.035	0.022	0.043
## m_community 56	0.026	0.038	0.027	0.048
## m_community 57	0.035	0.059	0.036	0.057
## m_community 58	0.025	0.038	0.021	0.040
## m_community 59	0.021	0.034	0.018	0.032
## m_community 60	0.023	0.040	0.025	0.046
## m_community 61	0.042	0.062	0.044	0.076
## m_community 62	0.024	0.041	0.028	0.048
## m_community 63	0.025	0.038	0.025	0.047
## m_community 64	0.025	0.039	0.022	0.044
## m_community 65	0.023	0.035	0.020	0.039
## m_community 66	0.034	0.050	0.037	0.054
## m_community 67	0.027	0.044	0.022	0.043
## m_community 68	0.035	0.051	0.036	0.062
## m_community 69	0.023	0.037	0.021	0.038
## m_community 70	0.037	0.057	0.042	0.060
## m_community 71	0.027	0.040	0.027	0.045
## m_community 72	0.036	0.049	0.035	0.055
## m_community 73	0.053	0.083	0.054	0.086
##	m_community 25	m_community 26	m_community 27	m_community 28
## m_community 1	0.043	0.043	0.039	0.042
## m_community 2	0.028	0.034	0.023	0.027
## m_community 3	0.033	0.035	0.027	0.027
## m_community 4	0.041	0.044	0.038	0.034

## m_community 5	0.031	0.038	0.029	0.028
## m_community 6	0.029	0.034	0.025	0.021
## m_community 7	0.060	0.061	0.053	0.049
## m_community 8	0.032	0.037	0.026	0.026
## m_community 9	0.027	0.031	0.027	0.024
## m_community 10	0.040	0.043	0.033	0.035
## m_community 11	0.041	0.050	0.037	0.040
## m_community 12	0.030	0.035	0.022	0.026
## m_community 13	0.034	0.042	0.031	0.032
## m_community 14	0.033	0.037	0.029	0.029
## m_community 15	0.031	0.040	0.028	0.031
## m_community 16	0.029	0.034	0.024	0.025
## m_community 17	0.040	0.052	0.044	0.042
## m_community 18	0.045	0.052	0.037	0.035
## m_community 19	0.051	0.053	0.052	0.048
## m_community 20	0.034	0.042	0.029	0.031
## m_community 21	0.027	0.037	0.024	0.024
## m_community 22	0.047	0.052	0.037	0.040
## m_community 23	0.030	0.038	0.026	0.026
## m_community 24	0.049	0.054	0.042	0.042
## m_community 25	NA	0.043	0.035	0.035
## m_community 26	0.043	NA	0.039	0.040
## m_community 27	0.035	0.039	NA	0.028
## m_community 28	0.035	0.040	0.028	NA
## m_community 29	0.036	0.042	0.031	0.035
## m_community 30	0.059	0.060	0.054	0.048
## m_community 31	0.027	0.032	0.021	0.021
## m_community 32	0.027	0.036	0.027	0.027
## m_community 33	0.030	0.034	0.025	0.025
## m_community 34	0.048	0.047	0.037	0.038
## m_community 35	0.040	0.038	0.033	0.030
## m_community 36	0.025	0.030	0.022	0.021
## m_community 37	0.024	0.027	0.019	0.022
## m_community 38	0.027	0.033	0.024	0.025
## m_community 39	0.038	0.048	0.038	0.038
## m_community 40	0.022	0.032	0.021	0.020
## m_community 41	0.027	0.035	0.023	0.023
## m_community 42	0.032	0.035	0.031	0.024

## m_community 43	0.027	0.032	0.023	0.022
## m_community 44	0.035	0.040	0.030	0.033
## m_community 45	0.037	0.037	0.031	0.026
## m_community 46	0.026	0.031	0.023	0.024
## m_community 47	0.029	0.035	0.026	0.028
## m_community 48	0.039	0.038	0.032	0.033
## m_community 49	0.031	0.034	0.024	0.023
## m_community 50	0.030	0.041	0.029	0.031
## m_community 51	0.044	0.048	0.040	0.040
## m_community 52	0.041	0.046	0.030	0.035
## m_community 53	0.032	0.038	0.028	0.029
## m_community 54	0.031	0.039	0.030	0.030
## m_community 55	0.030	0.035	0.024	0.028
## m_community 56	0.039	0.041	0.034	0.033
## m_community 57	0.045	0.050	0.042	0.046
## m_community 58	0.032	0.034	0.027	0.029
## m_community 59	0.026	0.032	0.025	0.024
## m_community 60	0.033	0.038	0.032	0.031
## m_community 61	0.055	0.065	0.048	0.047
## m_community 62	0.036	0.042	0.031	0.034
## m_community 63	0.036	0.039	0.031	0.033
## m_community 64	0.036	0.040	0.033	0.030
## m_community 65	0.030	0.032	0.028	0.027
## m_community 66	0.044	0.048	0.038	0.042
## m_community 67	0.034	0.042	0.033	0.035
## m_community 68	0.046	0.053	0.038	0.040
## m_community 69	0.033	0.041	0.026	0.027
## m_community 70	0.052	0.055	0.047	0.046
## m_community 71	0.035	0.042	0.033	0.036
## m_community 72	0.047	0.045	0.040	0.042
## m_community 73	0.080	0.076	0.062	0.058
##	m_community 29	m_community 30	m_community 31	m_community 32
## m_community 1	0.041	0.058	0.031	0.035
## m_community 2	0.027	0.043	0.018	0.022
## m_community 3	0.031	0.046	0.021	0.023
## m_community 4	0.038	0.058	0.030	0.034
## m_community 5	0.033	0.055	0.022	0.026
## m_community 6	0.028	0.041	0.016	0.020

## m_community 7	0.054	0.073	0.036	0.046
## m_community 8	0.030	0.048	0.021	0.025
## m_community 9	0.025	0.044	0.018	0.022
## m_community 10	0.038	0.062	0.028	0.033
## m_community 11	0.035	0.060	0.026	0.033
## m_community 12	0.027	0.044	0.018	0.023
## m_community 13	0.031	0.053	0.022	0.030
## m_community 14	0.030	0.048	0.019	0.026
## m_community 15	0.036	0.046	0.023	0.031
## m_community 16	0.026	0.042	0.017	0.021
## m_community 17	0.043	0.062	0.030	0.038
## m_community 18	0.043	0.060	0.029	0.038
## m_community 19	0.058	0.078	0.036	0.042
## m_community 20	0.035	0.052	0.024	0.027
## m_community 21	0.028	0.039	0.019	0.022
## m_community 22	0.044	0.055	0.030	0.039
## m_community 23	0.028	0.043	0.020	0.023
## m_community 24	0.045	0.067	0.036	0.036
## m_community 25	0.036	0.059	0.027	0.027
## m_community 26	0.042	0.060	0.032	0.036
## m_community 27	0.031	0.054	0.021	0.027
## m_community 28	0.035	0.048	0.021	0.027
## m_community 29	NA	0.056	0.025	0.031
## m_community 30	0.056	NA	0.040	0.049
## m_community 31	0.025	0.040	NA	0.019
## m_community 32	0.031	0.049	0.019	NA
## m_community 33	0.026	0.042	0.018	0.025
## m_community 34	0.041	0.063	0.029	0.038
## m_community 35	0.033	0.052	0.023	0.023
## m_community 36	0.026	0.037	0.017	0.019
## m_community 37	0.024	0.038	0.015	0.017
## m_community 38	0.026	0.045	0.019	0.020
## m_community 39	0.036	0.064	0.027	0.033
## m_community 40	0.022	0.039	0.015	0.017
## m_community 41	0.027	0.039	0.019	0.021
## m_community 42	0.031	0.044	0.022	0.025
## m_community 43	0.028	0.043	0.017	0.021
## m_community 44	0.036	0.055	0.024	0.032

## m_community 45	0.033	0.047	0.024	0.027
## m_community 46	0.025	0.041	0.016	0.020
## m_community 47	0.029	0.047	0.019	0.024
## m_community 48	0.033	0.054	0.022	0.031
## m_community 49	0.029	0.045	0.018	0.022
## m_community 50	0.035	0.051	0.022	0.028
## m_community 51	0.037	0.059	0.027	0.035
## m_community 52	0.042	0.053	0.029	0.032
## m_community 53	0.031	0.051	0.021	0.027
## m_community 54	0.033	0.045	0.024	0.029
## m_community 55	0.027	0.046	0.021	0.022
## m_community 56	0.040	0.056	0.024	0.031
## m_community 57	0.047	0.070	0.031	0.044
## m_community 58	0.029	0.047	0.021	0.024
## m_community 59	0.026	0.047	0.019	0.021
## m_community 60	0.030	0.048	0.021	0.022
## m_community 61	0.050	0.074	0.040	0.042
## m_community 62	0.029	0.055	0.024	0.031
## m_community 63	0.035	0.049	0.025	0.028
## m_community 64	0.038	0.049	0.024	0.026
## m_community 65	0.029	0.043	0.020	0.024
## m_community 66	0.049	0.056	0.030	0.038
## m_community 67	0.031	0.047	0.022	0.027
## m_community 68	0.047	0.061	0.031	0.043
## m_community 69	0.026	0.043	0.020	0.026
## m_community 70	0.054	0.058	0.035	0.042
## m_community 71	0.035	0.052	0.025	0.029
## m_community 72	0.041	0.070	0.032	0.040
## m_community 73	0.073	0.104	0.046	0.061
##	m_community 33	m_community 34	m_community 35	m_community 36
## m_community 1	0.037	0.046	0.038	0.033
## m_community 2	0.021	0.034	0.026	0.017
## m_community 3	0.022	0.035	0.031	0.021
## m_community 4	0.031	0.038	0.036	0.026
## m_community 5	0.025	0.039	0.029	0.022
## m_community 6	0.019	0.031	0.024	0.017
## m_community 7	0.042	0.059	0.048	0.037
## m_community 8	0.024	0.033	0.030	0.022

## m_community 9	0.022	0.031	0.025	0.019
## m_community 10	0.033	0.043	0.037	0.026
## m_community 11	0.031	0.042	0.035	0.025
## m_community 12	0.021	0.030	0.030	0.018
## m_community 13	0.027	0.039	0.032	0.025
## m_community 14	0.026	0.034	0.028	0.019
## m_community 15	0.027	0.045	0.031	0.020
## m_community 16	0.021	0.036	0.024	0.016
## m_community 17	0.036	0.044	0.035	0.032
## m_community 18	0.033	0.045	0.042	0.031
## m_community 19	0.044	0.060	0.045	0.039
## m_community 20	0.029	0.034	0.031	0.023
## m_community 21	0.021	0.033	0.026	0.017
## m_community 22	0.033	0.044	0.037	0.030
## m_community 23	0.022	0.027	0.026	0.017
## m_community 24	0.038	0.055	0.048	0.036
## m_community 25	0.030	0.048	0.040	0.025
## m_community 26	0.034	0.047	0.038	0.030
## m_community 27	0.025	0.037	0.033	0.022
## m_community 28	0.025	0.038	0.030	0.021
## m_community 29	0.026	0.041	0.033	0.026
## m_community 30	0.042	0.063	0.052	0.037
## m_community 31	0.018	0.029	0.023	0.017
## m_community 32	0.025	0.038	0.023	0.019
## m_community 33	NA	0.034	0.025	0.018
## m_community 34	0.034	NA	0.034	0.027
## m_community 35	0.025	0.034	NA	0.023
## m_community 36	0.018	0.027	0.023	NA
## m_community 37	0.015	0.025	0.022	0.013
## m_community 38	0.019	0.031	0.024	0.016
## m_community 39	0.033	0.050	0.038	0.028
## m_community 40	0.017	0.027	0.021	0.012
## m_community 41	0.022	0.034	0.027	0.018
## m_community 42	0.023	0.033	0.027	0.021
## m_community 43	0.021	0.033	0.027	0.018
## m_community 44	0.029	0.037	0.037	0.026
## m_community 45	0.023	0.035	0.027	0.024
## m_community 46	0.020	0.029	0.024	0.015

## m_community 47	0.023	0.030	0.027	0.021
## m_community 48	0.027	0.043	0.032	0.021
## m_community 49	0.022	0.032	0.025	0.017
## m_community 50	0.027	0.036	0.027	0.020
## m_community 51	0.031	0.046	0.041	0.028
## m_community 52	0.031	0.041	0.033	0.027
## m_community 53	0.022	0.035	0.030	0.022
## m_community 54	0.025	0.035	0.030	0.021
## m_community 55	0.020	0.035	0.031	0.020
## m_community 56	0.030	0.037	0.034	0.025
## m_community 57	0.040	0.052	0.046	0.033
## m_community 58	0.025	0.034	0.026	0.020
## m_community 59	0.019	0.033	0.027	0.016
## m_community 60	0.024	0.034	0.030	0.022
## m_community 61	0.045	0.055	0.055	0.038
## m_community 62	0.026	0.037	0.031	0.025
## m_community 63	0.026	0.039	0.035	0.021
## m_community 64	0.026	0.039	0.036	0.020
## m_community 65	0.023	0.034	0.028	0.020
## m_community 66	0.037	0.042	0.043	0.032
## m_community 67	0.027	0.037	0.033	0.023
## m_community 68	0.038	0.043	0.037	0.031
## m_community 69	0.022	0.034	0.029	0.018
## m_community 70	0.039	0.052	0.046	0.035
## m_community 71	0.024	0.039	0.034	0.024
## m_community 72	0.034	0.054	0.042	0.032
## m_community 73	0.052	0.078	0.063	0.047
##	m_community 37	m_community 38	m_community 39	m_community 40
## m_community 1	0.029	0.034	0.040	0.028
## m_community 2	0.016	0.019	0.033	0.016
## m_community 3	0.018	0.022	0.033	0.018
## m_community 4	0.024	0.029	0.037	0.026
## m_community 5	0.020	0.022	0.034	0.019
## m_community 6	0.016	0.018	0.028	0.016
## m_community 7	0.034	0.036	0.056	0.036
## m_community 8	0.018	0.021	0.034	0.017
## m_community 9	0.016	0.021	0.027	0.017
## m_community 10	0.024	0.027	0.040	0.024

## m_community 11	0.025	0.028	0.043	0.027
## m_community 12	0.017	0.021	0.032	0.015
## m_community 13	0.020	0.028	0.038	0.021
## m_community 14	0.017	0.022	0.033	0.017
## m_community 15	0.019	0.022	0.034	0.020
## m_community 16	0.015	0.018	0.030	0.016
## m_community 17	0.028	0.033	0.044	0.031
## m_community 18	0.028	0.032	0.044	0.030
## m_community 19	0.037	0.039	0.055	0.032
## m_community 20	0.021	0.027	0.038	0.022
## m_community 21	0.018	0.019	0.034	0.018
## m_community 22	0.032	0.035	0.043	0.029
## m_community 23	0.015	0.021	0.030	0.014
## m_community 24	0.029	0.035	0.051	0.032
## m_community 25	0.024	0.027	0.038	0.022
## m_community 26	0.027	0.033	0.048	0.032
## m_community 27	0.019	0.024	0.038	0.021
## m_community 28	0.022	0.025	0.038	0.020
## m_community 29	0.024	0.026	0.036	0.022
## m_community 30	0.038	0.045	0.064	0.039
## m_community 31	0.015	0.019	0.027	0.015
## m_community 32	0.017	0.020	0.033	0.017
## m_community 33	0.015	0.019	0.033	0.017
## m_community 34	0.025	0.031	0.050	0.027
## m_community 35	0.022	0.024	0.038	0.021
## m_community 36	0.013	0.016	0.028	0.012
## m_community 37	NA	0.015	0.027	0.013
## m_community 38	0.015	NA	0.031	0.016
## m_community 39	0.027	0.031	NA	0.027
## m_community 40	0.013	0.016	0.027	NA
## m_community 41	0.017	0.016	0.028	0.016
## m_community 42	0.019	0.022	0.033	0.020
## m_community 43	0.012	0.018	0.030	0.012
## m_community 44	0.026	0.025	0.037	0.023
## m_community 45	0.019	0.023	0.037	0.021
## m_community 46	0.014	0.016	0.029	0.013
## m_community 47	0.018	0.022	0.030	0.017
## m_community 48	0.021	0.024	0.040	0.023

## m_community 49	0.017	0.018	0.031	0.016
## m_community 50	0.019	0.024	0.040	0.022
## m_community 51	0.024	0.031	0.044	0.026
## m_community 52	0.024	0.028	0.041	0.026
## m_community 53	0.019	0.023	0.031	0.018
## m_community 54	0.021	0.026	0.032	0.020
## m_community 55	0.019	0.021	0.030	0.018
## m_community 56	0.024	0.029	0.041	0.025
## m_community 57	0.032	0.039	0.050	0.029
## m_community 58	0.018	0.022	0.035	0.017
## m_community 59	0.015	0.019	0.030	0.016
## m_community 60	0.018	0.021	0.036	0.020
## m_community 61	0.032	0.044	0.060	0.037
## m_community 62	0.024	0.026	0.039	0.023
## m_community 63	0.022	0.027	0.035	0.020
## m_community 64	0.021	0.024	0.038	0.021
## m_community 65	0.017	0.022	0.032	0.015
## m_community 66	0.027	0.033	0.048	0.030
## m_community 67	0.021	0.024	0.041	0.020
## m_community 68	0.030	0.035	0.047	0.030
## m_community 69	0.017	0.021	0.035	0.017
## m_community 70	0.034	0.039	0.055	0.035
## m_community 71	0.021	0.023	0.033	0.020
## m_community 72	0.028	0.035	0.044	0.030
## m_community 73	0.042	0.050	0.075	0.043
##	m_community 41	m_community 42	m_community 43	m_community 44
## m_community 1	0.037	0.035	0.029	0.040
## m_community 2	0.021	0.024	0.020	0.029
## m_community 3	0.024	0.025	0.023	0.027
## m_community 4	0.030	0.033	0.027	0.036
## m_community 5	0.023	0.026	0.023	0.030
## m_community 6	0.019	0.023	0.018	0.028
## m_community 7	0.040	0.044	0.042	0.047
## m_community 8	0.025	0.024	0.020	0.027
## m_community 9	0.019	0.022	0.018	0.026
## m_community 10	0.032	0.031	0.031	0.040
## m_community 11	0.030	0.033	0.029	0.035
## m_community 12	0.020	0.023	0.019	0.029

## m_community 13	0.026	0.031	0.026	0.038
## m_community 14	0.022	0.024	0.021	0.029
## m_community 15	0.025	0.026	0.024	0.031
## m_community 16	0.021	0.023	0.018	0.025
## m_community 17	0.032	0.032	0.031	0.042
## m_community 18	0.034	0.038	0.033	0.041
## m_community 19	0.044	0.042	0.038	0.058
## m_community 20	0.027	0.028	0.027	0.033
## m_community 21	0.018	0.027	0.020	0.027
## m_community 22	0.030	0.035	0.035	0.045
## m_community 23	0.020	0.025	0.019	0.029
## m_community 24	0.035	0.037	0.034	0.043
## m_community 25	0.027	0.032	0.027	0.035
## m_community 26	0.035	0.035	0.032	0.040
## m_community 27	0.023	0.031	0.023	0.030
## m_community 28	0.023	0.024	0.022	0.033
## m_community 29	0.027	0.031	0.028	0.036
## m_community 30	0.039	0.044	0.043	0.055
## m_community 31	0.019	0.022	0.017	0.024
## m_community 32	0.021	0.025	0.021	0.032
## m_community 33	0.022	0.023	0.021	0.029
## m_community 34	0.034	0.033	0.033	0.037
## m_community 35	0.027	0.027	0.027	0.037
## m_community 36	0.018	0.021	0.018	0.026
## m_community 37	0.017	0.019	0.012	0.026
## m_community 38	0.016	0.022	0.018	0.025
## m_community 39	0.028	0.033	0.030	0.037
## m_community 40	0.016	0.020	0.012	0.023
## m_community 41	NA	0.023	0.019	0.027
## m_community 42	0.023	NA	0.022	0.031
## m_community 43	0.019	0.022	NA	0.025
## m_community 44	0.027	0.031	0.025	NA
## m_community 45	0.026	0.028	0.023	0.027
## m_community 46	0.018	0.022	0.018	0.027
## m_community 47	0.021	0.027	0.021	0.030
## m_community 48	0.026	0.027	0.026	0.034
## m_community 49	0.021	0.024	0.019	0.027
## m_community 50	0.023	0.028	0.021	0.033

## m_community 51	0.033	0.035	0.030	0.040
## m_community 52	0.031	0.031	0.029	0.036
## m_community 53	0.022	0.028	0.022	0.030
## m_community 54	0.024	0.026	0.023	0.033
## m_community 55	0.020	0.021	0.021	0.029
## m_community 56	0.030	0.033	0.030	0.035
## m_community 57	0.036	0.040	0.037	0.046
## m_community 58	0.022	0.024	0.019	0.028
## m_community 59	0.018	0.021	0.020	0.025
## m_community 60	0.025	0.028	0.025	0.031
## m_community 61	0.043	0.041	0.043	0.045
## m_community 62	0.027	0.029	0.022	0.035
## m_community 63	0.026	0.030	0.025	0.035
## m_community 64	0.025	0.025	0.025	0.030
## m_community 65	0.021	0.023	0.019	0.029
## m_community 66	0.031	0.035	0.036	0.043
## m_community 67	0.027	0.029	0.025	0.036
## m_community 68	0.035	0.040	0.036	0.043
## m_community 69	0.024	0.026	0.021	0.032
## m_community 70	0.038	0.043	0.039	0.046
## m_community 71	0.026	0.030	0.025	0.036
## m_community 72	0.035	0.034	0.031	0.043
## m_community 73	0.052	0.055	0.048	0.063
##	m_community 45	m_community 46	m_community 47	m_community 48
## m_community 1	0.037	0.029	0.035	0.038
## m_community 2	0.027	0.019	0.022	0.024
## m_community 3	0.024	0.020	0.024	0.029
## m_community 4	0.034	0.030	0.032	0.037
## m_community 5	0.028	0.020	0.025	0.033
## m_community 6	0.023	0.017	0.022	0.027
## m_community 7	0.047	0.040	0.041	0.048
## m_community 8	0.029	0.021	0.025	0.030
## m_community 9	0.026	0.017	0.022	0.026
## m_community 10	0.034	0.031	0.032	0.033
## m_community 11	0.034	0.029	0.032	0.035
## m_community 12	0.025	0.019	0.020	0.025
## m_community 13	0.028	0.025	0.028	0.035
## m_community 14	0.026	0.021	0.027	0.030

## m_community 15	0.029	0.021	0.028	0.039
## m_community 16	0.023	0.019	0.021	0.023
## m_community 17	0.040	0.030	0.036	0.040
## m_community 18	0.036	0.035	0.034	0.043
## m_community 19	0.048	0.042	0.050	0.053
## m_community 20	0.029	0.026	0.027	0.032
## m_community 21	0.024	0.019	0.024	0.025
## m_community 22	0.039	0.033	0.038	0.041
## m_community 23	0.025	0.019	0.023	0.026
## m_community 24	0.037	0.036	0.039	0.040
## m_community 25	0.037	0.026	0.029	0.039
## m_community 26	0.037	0.031	0.035	0.038
## m_community 27	0.031	0.023	0.026	0.032
## m_community 28	0.026	0.024	0.028	0.033
## m_community 29	0.033	0.025	0.029	0.033
## m_community 30	0.047	0.041	0.047	0.054
## m_community 31	0.024	0.016	0.019	0.022
## m_community 32	0.027	0.020	0.024	0.031
## m_community 33	0.023	0.020	0.023	0.027
## m_community 34	0.035	0.029	0.030	0.043
## m_community 35	0.027	0.024	0.027	0.032
## m_community 36	0.024	0.015	0.021	0.021
## m_community 37	0.019	0.014	0.018	0.021
## m_community 38	0.023	0.016	0.022	0.024
## m_community 39	0.037	0.029	0.030	0.040
## m_community 40	0.021	0.013	0.017	0.023
## m_community 41	0.026	0.018	0.021	0.026
## m_community 42	0.028	0.022	0.027	0.027
## m_community 43	0.023	0.018	0.021	0.026
## m_community 44	0.027	0.027	0.030	0.034
## m_community 45	NA	0.022	0.025	0.029
## m_community 46	0.022	NA	0.021	0.023
## m_community 47	0.025	0.021	NA	0.024
## m_community 48	0.029	0.023	0.024	NA
## m_community 49	0.026	0.019	0.023	0.024
## m_community 50	0.027	0.023	0.027	0.031
## m_community 51	0.037	0.029	0.034	0.041
## m_community 52	0.036	0.028	0.031	0.031

## m_community 53	0.024	0.020	0.027	0.031
## m_community 54	0.027	0.022	0.028	0.030
## m_community 55	0.024	0.020	0.021	0.028
## m_community 56	0.030	0.026	0.032	0.034
## m_community 57	0.037	0.036	0.041	0.041
## m_community 58	0.026	0.020	0.023	0.030
## m_community 59	0.026	0.017	0.020	0.026
## m_community 60	0.029	0.021	0.024	0.030
## m_community 61	0.045	0.039	0.040	0.050
## m_community 62	0.032	0.027	0.028	0.033
## m_community 63	0.031	0.025	0.030	0.033
## m_community 64	0.031	0.022	0.026	0.032
## m_community 65	0.025	0.020	0.020	0.031
## m_community 66	0.040	0.032	0.036	0.045
## m_community 67	0.028	0.024	0.028	0.032
## m_community 68	0.042	0.030	0.038	0.044
## m_community 69	0.026	0.020	0.025	0.028
## m_community 70	0.047	0.037	0.044	0.043
## m_community 71	0.031	0.024	0.026	0.032
## m_community 72	0.043	0.032	0.040	0.041
## m_community 73	0.062	0.050	0.059	0.064
##	m_community 49	m_community 50	m_community 51	m_community 52
## m_community 1	0.034	0.036	0.047	0.042
## m_community 2	0.021	0.021	0.030	0.029
## m_community 3	0.022	0.026	0.038	0.031
## m_community 4	0.027	0.034	0.038	0.041
## m_community 5	0.025	0.030	0.035	0.039
## m_community 6	0.020	0.022	0.030	0.029
## m_community 7	0.041	0.046	0.061	0.055
## m_community 8	0.021	0.027	0.036	0.037
## m_community 9	0.018	0.023	0.030	0.027
## m_community 10	0.031	0.029	0.043	0.041
## m_community 11	0.031	0.036	0.047	0.042
## m_community 12	0.020	0.024	0.032	0.030
## m_community 13	0.025	0.033	0.047	0.034
## m_community 14	0.022	0.028	0.034	0.031
## m_community 15	0.028	0.031	0.035	0.039
## m_community 16	0.022	0.024	0.033	0.027

## m_community 17	0.037	0.039	0.053	0.042
## m_community 18	0.038	0.040	0.050	0.047
## m_community 19	0.040	0.044	0.053	0.054
## m_community 20	0.026	0.033	0.039	0.039
## m_community 21	0.021	0.024	0.032	0.028
## m_community 22	0.032	0.043	0.046	0.044
## m_community 23	0.019	0.025	0.029	0.030
## m_community 24	0.034	0.039	0.050	0.052
## m_community 25	0.031	0.030	0.044	0.041
## m_community 26	0.034	0.041	0.048	0.046
## m_community 27	0.024	0.029	0.040	0.030
## m_community 28	0.023	0.031	0.040	0.035
## m_community 29	0.029	0.035	0.037	0.042
## m_community 30	0.045	0.051	0.059	0.053
## m_community 31	0.018	0.022	0.027	0.029
## m_community 32	0.022	0.028	0.035	0.032
## m_community 33	0.022	0.027	0.031	0.031
## m_community 34	0.032	0.036	0.046	0.041
## m_community 35	0.025	0.027	0.041	0.033
## m_community 36	0.017	0.020	0.028	0.027
## m_community 37	0.017	0.019	0.024	0.024
## m_community 38	0.018	0.024	0.031	0.028
## m_community 39	0.031	0.040	0.044	0.041
## m_community 40	0.016	0.022	0.026	0.026
## m_community 41	0.021	0.023	0.033	0.031
## m_community 42	0.024	0.028	0.035	0.031
## m_community 43	0.019	0.021	0.030	0.029
## m_community 44	0.027	0.033	0.040	0.036
## m_community 45	0.026	0.027	0.037	0.036
## m_community 46	0.019	0.023	0.029	0.028
## m_community 47	0.023	0.027	0.034	0.031
## m_community 48	0.024	0.031	0.041	0.031
## m_community 49	NA	0.026	0.032	0.030
## m_community 50	0.026	NA	0.041	0.034
## m_community 51	0.032	0.041	NA	0.045
## m_community 52	0.030	0.034	0.045	NA
## m_community 53	0.023	0.029	0.033	0.033
## m_community 54	0.024	0.030	0.038	0.032

## m_community 55	0.021	0.025	0.034	0.032
## m_community 56	0.027	0.032	0.040	0.038
## m_community 57	0.035	0.046	0.053	0.051
## m_community 58	0.020	0.027	0.035	0.033
## m_community 59	0.018	0.024	0.028	0.029
## m_community 60	0.025	0.029	0.036	0.034
## m_community 61	0.037	0.044	0.059	0.057
## m_community 62	0.026	0.035	0.039	0.037
## m_community 63	0.027	0.030	0.039	0.038
## m_community 64	0.024	0.027	0.038	0.037
## m_community 65	0.019	0.028	0.033	0.029
## m_community 66	0.033	0.038	0.058	0.045
## m_community 67	0.024	0.029	0.043	0.036
## m_community 68	0.033	0.041	0.050	0.042
## m_community 69	0.022	0.027	0.035	0.033
## m_community 70	0.036	0.045	0.053	0.048
## m_community 71	0.025	0.031	0.044	0.037
## m_community 72	0.036	0.039	0.050	0.051
## m_community 73	0.057	0.062	0.083	0.074
##	m_community 53	m_community 54	m_community 55	m_community 56
## m_community 1	0.037	0.037	0.033	0.041
## m_community 2	0.025	0.024	0.022	0.027
## m_community 3	0.027	0.025	0.023	0.032
## m_community 4	0.031	0.029	0.030	0.034
## m_community 5	0.026	0.030	0.028	0.030
## m_community 6	0.024	0.023	0.021	0.026
## m_community 7	0.044	0.048	0.039	0.055
## m_community 8	0.026	0.027	0.025	0.032
## m_community 9	0.020	0.025	0.019	0.030
## m_community 10	0.033	0.030	0.031	0.037
## m_community 11	0.034	0.037	0.030	0.041
## m_community 12	0.024	0.025	0.023	0.029
## m_community 13	0.029	0.032	0.028	0.037
## m_community 14	0.026	0.025	0.024	0.028
## m_community 15	0.029	0.033	0.027	0.034
## m_community 16	0.022	0.023	0.023	0.029
## m_community 17	0.037	0.038	0.033	0.042
## m_community 18	0.032	0.043	0.035	0.047

## m_community 19	0.041	0.046	0.041	0.045
## m_community 20	0.028	0.033	0.029	0.036
## m_community 21	0.023	0.022	0.022	0.026
## m_community 22	0.035	0.038	0.035	0.038
## m_community 23	0.026	0.025	0.022	0.027
## m_community 24	0.038	0.040	0.043	0.048
## m_community 25	0.032	0.031	0.030	0.039
## m_community 26	0.038	0.039	0.035	0.041
## m_community 27	0.028	0.030	0.024	0.034
## m_community 28	0.029	0.030	0.028	0.033
## m_community 29	0.031	0.033	0.027	0.040
## m_community 30	0.051	0.045	0.046	0.056
## m_community 31	0.021	0.024	0.021	0.024
## m_community 32	0.027	0.029	0.022	0.031
## m_community 33	0.022	0.025	0.020	0.030
## m_community 34	0.035	0.035	0.035	0.037
## m_community 35	0.030	0.030	0.031	0.034
## m_community 36	0.022	0.021	0.020	0.025
## m_community 37	0.019	0.021	0.019	0.024
## m_community 38	0.023	0.026	0.021	0.029
## m_community 39	0.031	0.032	0.030	0.041
## m_community 40	0.018	0.020	0.018	0.025
## m_community 41	0.022	0.024	0.020	0.030
## m_community 42	0.028	0.026	0.021	0.033
## m_community 43	0.022	0.023	0.021	0.030
## m_community 44	0.030	0.033	0.029	0.035
## m_community 45	0.024	0.027	0.024	0.030
## m_community 46	0.020	0.022	0.020	0.026
## m_community 47	0.027	0.028	0.021	0.032
## m_community 48	0.031	0.030	0.028	0.034
## m_community 49	0.023	0.024	0.021	0.027
## m_community 50	0.029	0.030	0.025	0.032
## m_community 51	0.033	0.038	0.034	0.040
## m_community 52	0.033	0.032	0.032	0.038
## m_community 53	NA	0.029	0.024	0.030
## m_community 54	0.029	NA	0.025	0.031
## m_community 55	0.024	0.025	NA	0.031
## m_community 56	0.030	0.031	0.031	NA

## m_community 57	0.044	0.036	0.037	0.048
## m_community 58	0.026	0.029	0.024	0.032
## m_community 59	0.020	0.023	0.019	0.027
## m_community 60	0.027	0.024	0.023	0.033
## m_community 61	0.048	0.046	0.040	0.055
## m_community 62	0.025	0.033	0.029	0.035
## m_community 63	0.028	0.031	0.029	0.033
## m_community 64	0.027	0.028	0.025	0.033
## m_community 65	0.027	0.026	0.020	0.028
## m_community 66	0.038	0.038	0.034	0.041
## m_community 67	0.030	0.029	0.029	0.033
## m_community 68	0.038	0.042	0.033	0.039
## m_community 69	0.025	0.028	0.021	0.032
## m_community 70	0.040	0.042	0.038	0.046
## m_community 71	0.030	0.032	0.032	0.033
## m_community 72	0.038	0.042	0.038	0.050
## m_community 73	0.059	0.062	0.054	0.069
##	m_community 57	m_community 58	m_community 59	m_community 60
## m_community 1	0.054	0.037	0.035	0.039
## m_community 2	0.038	0.025	0.019	0.023
## m_community 3	0.036	0.025	0.023	0.028
## m_community 4	0.048	0.028	0.029	0.037
## m_community 5	0.039	0.023	0.025	0.026
## m_community 6	0.036	0.020	0.019	0.022
## m_community 7	0.072	0.040	0.039	0.045
## m_community 8	0.042	0.028	0.022	0.028
## m_community 9	0.035	0.024	0.021	0.025
## m_community 10	0.050	0.033	0.027	0.032
## m_community 11	0.055	0.031	0.030	0.035
## m_community 12	0.037	0.024	0.017	0.024
## m_community 13	0.049	0.028	0.025	0.033
## m_community 14	0.038	0.024	0.022	0.026
## m_community 15	0.040	0.033	0.026	0.025
## m_community 16	0.036	0.021	0.020	0.025
## m_community 17	0.056	0.040	0.032	0.039
## m_community 18	0.056	0.033	0.033	0.037
## m_community 19	0.081	0.047	0.042	0.046
## m_community 20	0.045	0.025	0.026	0.032

## m_community 21	0.035	0.025	0.021	0.023
## m_community 22	0.059	0.038	0.034	0.040
## m_community 23	0.036	0.021	0.018	0.025
## m_community 24	0.057	0.040	0.032	0.046
## m_community 25	0.045	0.032	0.026	0.033
## m_community 26	0.050	0.034	0.032	0.038
## m_community 27	0.042	0.027	0.025	0.032
## m_community 28	0.046	0.029	0.024	0.031
## m_community 29	0.047	0.029	0.026	0.030
## m_community 30	0.070	0.047	0.047	0.048
## m_community 31	0.031	0.021	0.019	0.021
## m_community 32	0.044	0.024	0.021	0.022
## m_community 33	0.040	0.025	0.019	0.024
## m_community 34	0.052	0.034	0.033	0.034
## m_community 35	0.046	0.026	0.027	0.030
## m_community 36	0.033	0.020	0.016	0.022
## m_community 37	0.032	0.018	0.015	0.018
## m_community 38	0.039	0.022	0.019	0.021
## m_community 39	0.050	0.035	0.030	0.036
## m_community 40	0.029	0.017	0.016	0.020
## m_community 41	0.036	0.022	0.018	0.025
## m_community 42	0.040	0.024	0.021	0.028
## m_community 43	0.037	0.019	0.020	0.025
## m_community 44	0.046	0.028	0.025	0.031
## m_community 45	0.037	0.026	0.026	0.029
## m_community 46	0.036	0.020	0.017	0.021
## m_community 47	0.041	0.023	0.020	0.024
## m_community 48	0.041	0.030	0.026	0.030
## m_community 49	0.035	0.020	0.018	0.025
## m_community 50	0.046	0.027	0.024	0.029
## m_community 51	0.053	0.035	0.028	0.036
## m_community 52	0.051	0.033	0.029	0.034
## m_community 53	0.044	0.026	0.020	0.027
## m_community 54	0.036	0.029	0.023	0.024
## m_community 55	0.037	0.024	0.019	0.023
## m_community 56	0.048	0.032	0.027	0.033
## m_community 57	NA	0.040	0.037	0.045
## m_community 58	0.040	NA	0.020	0.024

## m_community 59	0.037	0.020	NA	0.024
## m_community 60	0.045	0.024	0.024	NA
## m_community 61	0.072	0.048	0.039	0.047
## m_community 62	0.052	0.032	0.025	0.028
## m_community 63	0.048	0.030	0.023	0.030
## m_community 64	0.044	0.029	0.027	0.027
## m_community 65	0.038	0.026	0.022	0.028
## m_community 66	0.061	0.040	0.034	0.040
## m_community 67	0.044	0.028	0.025	0.030
## m_community 68	0.053	0.039	0.032	0.036
## m_community 69	0.041	0.025	0.021	0.023
## m_community 70	0.063	0.041	0.037	0.045
## m_community 71	0.043	0.027	0.026	0.031
## m_community 72	0.057	0.041	0.037	0.040
## m_community 73	0.096	0.063	0.051	0.054
##	m_community 61	m_community 62	m_community 63	m_community 64
## m_community 1	0.060	0.042	0.039	0.036
## m_community 2	0.044	0.030	0.026	0.026
## m_community 3	0.050	0.028	0.029	0.027
## m_community 4	0.059	0.039	0.037	0.038
## m_community 5	0.048	0.029	0.034	0.028
## m_community 6	0.036	0.024	0.022	0.027
## m_community 7	0.083	0.050	0.049	0.055
## m_community 8	0.046	0.028	0.026	0.028
## m_community 9	0.041	0.025	0.024	0.023
## m_community 10	0.053	0.038	0.033	0.036
## m_community 11	0.059	0.034	0.036	0.037
## m_community 12	0.039	0.028	0.029	0.026
## m_community 13	0.048	0.036	0.031	0.032
## m_community 14	0.041	0.027	0.024	0.028
## m_community 15	0.051	0.030	0.031	0.030
## m_community 16	0.038	0.024	0.024	0.023
## m_community 17	0.064	0.038	0.039	0.036
## m_community 18	0.069	0.043	0.044	0.046
## m_community 19	0.070	0.050	0.053	0.049
## m_community 20	0.052	0.033	0.031	0.032
## m_community 21	0.042	0.024	0.025	0.025
## m_community 22	0.062	0.041	0.038	0.039

## m_community 23	0.044	0.028	0.025	0.022
## m_community 24	0.076	0.048	0.047	0.044
## m_community 25	0.055	0.036	0.036	0.036
## m_community 26	0.065	0.042	0.039	0.040
## m_community 27	0.048	0.031	0.031	0.033
## m_community 28	0.047	0.034	0.033	0.030
## m_community 29	0.050	0.029	0.035	0.038
## m_community 30	0.074	0.055	0.049	0.049
## m_community 31	0.040	0.024	0.025	0.024
## m_community 32	0.042	0.031	0.028	0.026
## m_community 33	0.045	0.026	0.026	0.026
## m_community 34	0.055	0.037	0.039	0.039
## m_community 35	0.055	0.031	0.035	0.036
## m_community 36	0.038	0.025	0.021	0.020
## m_community 37	0.032	0.024	0.022	0.021
## m_community 38	0.044	0.026	0.027	0.024
## m_community 39	0.060	0.039	0.035	0.038
## m_community 40	0.037	0.023	0.020	0.021
## m_community 41	0.043	0.027	0.026	0.025
## m_community 42	0.041	0.029	0.030	0.025
## m_community 43	0.043	0.022	0.025	0.025
## m_community 44	0.045	0.035	0.035	0.030
## m_community 45	0.045	0.032	0.031	0.031
## m_community 46	0.039	0.027	0.025	0.022
## m_community 47	0.040	0.028	0.030	0.026
## m_community 48	0.050	0.033	0.033	0.032
## m_community 49	0.037	0.026	0.027	0.024
## m_community 50	0.044	0.035	0.030	0.027
## m_community 51	0.059	0.039	0.039	0.038
## m_community 52	0.057	0.037	0.038	0.037
## m_community 53	0.048	0.025	0.028	0.027
## m_community 54	0.046	0.033	0.031	0.028
## m_community 55	0.040	0.029	0.029	0.025
## m_community 56	0.055	0.035	0.033	0.033
## m_community 57	0.072	0.052	0.048	0.044
## m_community 58	0.048	0.032	0.030	0.029
## m_community 59	0.039	0.025	0.023	0.027
## m_community 60	0.047	0.028	0.030	0.027

## m_community 61	NA	0.051	0.051	0.052
## m_community 62	0.051	NA	0.031	0.028
## m_community 63	0.051	0.031	NA	0.027
## m_community 64	0.052	0.028	0.027	NA
## m_community 65	0.043	0.026	0.026	0.027
## m_community 66	0.065	0.042	0.043	0.040
## m_community 67	0.050	0.032	0.031	0.033
## m_community 68	0.065	0.047	0.048	0.041
## m_community 69	0.050	0.030	0.027	0.024
## m_community 70	0.063	0.048	0.045	0.047
## m_community 71	0.051	0.032	0.029	0.032
## m_community 72	0.061	0.041	0.041	0.042
## m_community 73	0.109	0.066	0.067	0.066
##	m_community 65	m_community 66	m_community 67	m_community 68
## m_community 1	0.034	0.049	0.042	0.049
## m_community 2	0.020	0.034	0.024	0.032
## m_community 3	0.024	0.042	0.029	0.038
## m_community 4	0.033	0.041	0.038	0.044
## m_community 5	0.026	0.037	0.031	0.038
## m_community 6	0.020	0.031	0.024	0.033
## m_community 7	0.045	0.058	0.053	0.067
## m_community 8	0.024	0.040	0.025	0.040
## m_community 9	0.021	0.035	0.025	0.036
## m_community 10	0.031	0.047	0.034	0.043
## m_community 11	0.033	0.052	0.037	0.052
## m_community 12	0.022	0.033	0.026	0.033
## m_community 13	0.028	0.042	0.035	0.040
## m_community 14	0.026	0.043	0.027	0.039
## m_community 15	0.029	0.039	0.032	0.044
## m_community 16	0.021	0.033	0.024	0.032
## m_community 17	0.033	0.047	0.037	0.047
## m_community 18	0.036	0.058	0.044	0.059
## m_community 19	0.045	0.059	0.048	0.058
## m_community 20	0.028	0.041	0.036	0.040
## m_community 21	0.023	0.034	0.027	0.035
## m_community 22	0.035	0.050	0.044	0.051
## m_community 23	0.020	0.037	0.022	0.036
## m_community 24	0.039	0.054	0.043	0.062

## m_community 25	0.030	0.044	0.034	0.046
## m_community 26	0.032	0.048	0.042	0.053
## m_community 27	0.028	0.038	0.033	0.038
## m_community 28	0.027	0.042	0.035	0.040
## m_community 29	0.029	0.049	0.031	0.047
## m_community 30	0.043	0.056	0.047	0.061
## m_community 31	0.020	0.030	0.022	0.031
## m_community 32	0.024	0.038	0.027	0.043
## m_community 33	0.023	0.037	0.027	0.038
## m_community 34	0.034	0.042	0.037	0.043
## m_community 35	0.028	0.043	0.033	0.037
## m_community 36	0.020	0.032	0.023	0.031
## m_community 37	0.017	0.027	0.021	0.030
## m_community 38	0.022	0.033	0.024	0.035
## m_community 39	0.032	0.048	0.041	0.047
## m_community 40	0.015	0.030	0.020	0.030
## m_community 41	0.021	0.031	0.027	0.035
## m_community 42	0.023	0.035	0.029	0.040
## m_community 43	0.019	0.036	0.025	0.036
## m_community 44	0.029	0.043	0.036	0.043
## m_community 45	0.025	0.040	0.028	0.042
## m_community 46	0.020	0.032	0.024	0.030
## m_community 47	0.020	0.036	0.028	0.038
## m_community 48	0.031	0.045	0.032	0.044
## m_community 49	0.019	0.033	0.024	0.033
## m_community 50	0.028	0.038	0.029	0.041
## m_community 51	0.033	0.058	0.043	0.050
## m_community 52	0.029	0.045	0.036	0.042
## m_community 53	0.027	0.038	0.030	0.038
## m_community 54	0.026	0.038	0.029	0.042
## m_community 55	0.020	0.034	0.029	0.033
## m_community 56	0.028	0.041	0.033	0.039
## m_community 57	0.038	0.061	0.044	0.053
## m_community 58	0.026	0.040	0.028	0.039
## m_community 59	0.022	0.034	0.025	0.032
## m_community 60	0.028	0.040	0.030	0.036
## m_community 61	0.043	0.065	0.050	0.065
## m_community 62	0.026	0.042	0.032	0.047

## m_community 63	0.026	0.043	0.031	0.048
## m_community 64	0.027	0.040	0.033	0.041
## m_community 65	NA	0.039	0.027	0.033
## m_community 66	0.039	NA	0.044	0.051
## m_community 67	0.027	0.044	NA	0.040
## m_community 68	0.033	0.051	0.040	NA
## m_community 69	0.022	0.037	0.029	0.040
## m_community 70	0.041	0.053	0.045	0.063
## m_community 71	0.027	0.041	0.035	0.044
## m_community 72	0.035	0.049	0.039	0.052
## m_community 73	0.054	0.081	0.064	0.094
##	m_community 69	m_community 70	m_community 71	m_community 72
## m_community 1	0.036	0.047	0.042	0.048
## m_community 2	0.022	0.038	0.024	0.033
## m_community 3	0.025	0.045	0.031	0.037
## m_community 4	0.031	0.051	0.039	0.045
## m_community 5	0.030	0.041	0.032	0.041
## m_community 6	0.022	0.038	0.027	0.034
## m_community 7	0.049	0.072	0.049	0.063
## m_community 8	0.027	0.040	0.030	0.041
## m_community 9	0.020	0.038	0.023	0.035
## m_community 10	0.030	0.047	0.035	0.047
## m_community 11	0.033	0.048	0.037	0.045
## m_community 12	0.022	0.040	0.026	0.033
## m_community 13	0.027	0.043	0.035	0.041
## m_community 14	0.023	0.038	0.030	0.040
## m_community 15	0.028	0.044	0.030	0.038
## m_community 16	0.022	0.038	0.027	0.034
## m_community 17	0.034	0.052	0.038	0.050
## m_community 18	0.041	0.053	0.039	0.059
## m_community 19	0.045	0.066	0.050	0.060
## m_community 20	0.026	0.049	0.034	0.037
## m_community 21	0.023	0.037	0.027	0.036
## m_community 22	0.037	0.057	0.040	0.049
## m_community 23	0.021	0.042	0.027	0.035
## m_community 24	0.038	0.060	0.045	0.055
## m_community 25	0.033	0.052	0.035	0.047
## m_community 26	0.041	0.055	0.042	0.045

## m_community 27	0.026	0.047	0.033	0.040
## m_community 28	0.027	0.046	0.036	0.042
## m_community 29	0.026	0.054	0.035	0.041
## m_community 30	0.043	0.058	0.052	0.070
## m_community 31	0.020	0.035	0.025	0.032
## m_community 32	0.026	0.042	0.029	0.040
## m_community 33	0.022	0.039	0.024	0.034
## m_community 34	0.034	0.052	0.039	0.054
## m_community 35	0.029	0.046	0.034	0.042
## m_community 36	0.018	0.035	0.024	0.032
## m_community 37	0.017	0.034	0.021	0.028
## m_community 38	0.021	0.039	0.023	0.035
## m_community 39	0.035	0.055	0.033	0.044
## m_community 40	0.017	0.035	0.020	0.030
## m_community 41	0.024	0.038	0.026	0.035
## m_community 42	0.026	0.043	0.030	0.034
## m_community 43	0.021	0.039	0.025	0.031
## m_community 44	0.032	0.046	0.036	0.043
## m_community 45	0.026	0.047	0.031	0.043
## m_community 46	0.020	0.037	0.024	0.032
## m_community 47	0.025	0.044	0.026	0.040
## m_community 48	0.028	0.043	0.032	0.041
## m_community 49	0.022	0.036	0.025	0.036
## m_community 50	0.027	0.045	0.031	0.039
## m_community 51	0.035	0.053	0.044	0.050
## m_community 52	0.033	0.048	0.037	0.051
## m_community 53	0.025	0.040	0.030	0.038
## m_community 54	0.028	0.042	0.032	0.042
## m_community 55	0.021	0.038	0.032	0.038
## m_community 56	0.032	0.046	0.033	0.050
## m_community 57	0.041	0.063	0.043	0.057
## m_community 58	0.025	0.041	0.027	0.041
## m_community 59	0.021	0.037	0.026	0.037
## m_community 60	0.023	0.045	0.031	0.040
## m_community 61	0.050	0.063	0.051	0.061
## m_community 62	0.030	0.048	0.032	0.041
## m_community 63	0.027	0.045	0.029	0.041
## m_community 64	0.024	0.047	0.032	0.042

## m_community 65	0.022	0.041	0.027	0.035
## m_community 66	0.037	0.053	0.041	0.049
## m_community 67	0.029	0.045	0.035	0.039
## m_community 68	0.040	0.063	0.044	0.052
## m_community 69	NA	0.039	0.028	0.039
## m_community 70	0.039	NA	0.044	0.058
## m_community 71	0.028	0.044	NA	0.040
## m_community 72	0.039	0.058	0.040	NA
## m_community 73	0.058	0.084	0.064	0.077
## m_community 73				
## m_community 1	0.069			
## m_community 2	0.055			
## m_community 3	0.062			
## m_community 4	0.066			
## m_community 5	0.058			
## m_community 6	0.048			
## m_community 7	0.105			
## m_community 8	0.060			
## m_community 9	0.047			
## m_community 10	0.070			
## m_community 11	0.076			
## m_community 12	0.051			
## m_community 13	0.063			
## m_community 14	0.056			
## m_community 15	0.061			
## m_community 16	0.049			
## m_community 17	0.074			
## m_community 18	0.087			
## m_community 19	0.095			
## m_community 20	0.065			
## m_community 21	0.053			
## m_community 22	0.083			
## m_community 23	0.054			
## m_community 24	0.086			
## m_community 25	0.080			
## m_community 26	0.076			
## m_community 27	0.062			
## m_community 28	0.058			

## m_community 29	0.073
## m_community 30	0.104
## m_community 31	0.046
## m_community 32	0.061
## m_community 33	0.052
## m_community 34	0.078
## m_community 35	0.063
## m_community 36	0.047
## m_community 37	0.042
## m_community 38	0.050
## m_community 39	0.075
## m_community 40	0.043
## m_community 41	0.052
## m_community 42	0.055
## m_community 43	0.048
## m_community 44	0.063
## m_community 45	0.062
## m_community 46	0.050
## m_community 47	0.059
## m_community 48	0.064
## m_community 49	0.057
## m_community 50	0.062
## m_community 51	0.083
## m_community 52	0.074
## m_community 53	0.059
## m_community 54	0.062
## m_community 55	0.054
## m_community 56	0.069
## m_community 57	0.096
## m_community 58	0.063
## m_community 59	0.051
## m_community 60	0.054
## m_community 61	0.109
## m_community 62	0.066
## m_community 63	0.067
## m_community 64	0.066
## m_community 65	0.054
## m_community 66	0.081

```
## m_community 67      0.064
## m_community 68      0.094
## m_community 69      0.058
## m_community 70      0.084
## m_community 71      0.064
## m_community 72      0.077
## m_community 73      NA
```

Calculating the Bray-Curtis Distance of Species Composition Among Minor Communities

Description

Calculate the Bray-Curtis distance of species composition among Minor Communities.

Usage

```
hc_m_community_Bray_Curtis_pair(entity, minx, miny, maxx, maxy, scale, edge)
```

Arguments

entity Distribution coordinates and species information of plant individuals

minx Core area boundary, minimum x-value

miny Core area boundary, minimum y-value

maxx Core area boundary, maximum x-value

maxy Core area boundary, maximum y-value

scale scale parameter for HC clustering

edge Method for filtering Minor Communities based on boundaries, with options “inside” and “centroid”

Value

Bray-Curtis distances among Minor Communities

Examples

```
entity=M.COMMUNITIES::entity  
M.COMMUNITIES::hc_m_community_Bray_Curtis_pair(entity,minx=5,miny=5,maxx=45,maxy=45,scale=5,edge="centroid")
```

```
## Warning: 程序包'betapart'是用R版本4.4.3 来建造的
```

```
## $bray
##           m_community 1 m_community 2 m_community 3 m_community 4
## m_community 1           NA           0.647           0.600           0.727
## m_community 2           0.647           NA           0.765           0.517
## m_community 3           0.600           0.765           NA           0.636
## m_community 4           0.727           0.517           0.636           NA
## m_community 5           0.429           0.714           0.714           0.789
## m_community 6           0.647           0.417           0.647           0.379
## m_community 7           0.200           0.529           0.600           0.636
## m_community 8           0.739           0.800           0.739           0.657
## m_community 9           0.500           0.684           0.333           0.667
## m_community 10          0.625           0.478           0.625           0.357
## m_community 11          0.500           0.263           0.667           0.417
## m_community 12          0.684           0.692           0.684           0.548
## m_community 13          0.333           0.500           0.556           0.619
## m_community 14          0.556           0.500           0.778           0.714
## m_community 15          0.429           0.857           0.714           0.895
## m_community 16          0.692           0.800           0.692           0.680
## m_community 17          0.667           0.680           0.667           0.533
## m_community 18          0.778           0.875           0.778           0.714
## m_community 19          0.500           0.867           1.000           0.900
## m_community 20          0.400           0.765           0.800           0.818
## m_community 21          0.556           0.750           0.778           0.619
## m_community 22          0.818           0.778           0.818           0.565
## m_community 23          0.833           0.684           0.833           0.500
## m_community 24          0.800           0.412           1.000           0.545
## m_community 25          0.714           0.714           1.000           0.789
## m_community 26          0.846           0.455           0.846           0.737
## m_community 27          0.750           0.565           0.875           0.214
## m_community 28          0.600           0.727           0.733           0.556
## m_community 29          0.556           0.750           0.556           0.619
## m_community 30          0.846           0.600           0.846           0.600
## m_community 31          0.800           0.730           0.800           0.333
## m_community 32          0.829           0.762           0.886           0.617
## m_community 33          0.826           0.600           0.826           0.429
## m_community 34          0.800           0.765           0.800           0.545
## m_community 35          0.833           0.721           0.889           0.625
## m_community 36          0.889           0.600           0.889           0.533
```

## m_community 37	0.600	0.636	0.733	0.630
## m_community 38	0.810	0.571	0.810	0.455
## m_community 39	0.667	0.684	0.667	0.750
## m_community 40	0.500	0.789	0.667	0.750
## m_community 41	0.833	0.548	0.750	0.500
## m_community 42	0.750	0.826	0.750	0.643
## m_community 43	0.833	0.579	1.000	0.500
## m_community 44	0.765	0.583	0.765	0.448
## m_community 45	0.556	0.750	0.556	0.714
## m_community 46	0.600	0.529	0.600	0.545
## m_community 47	0.867	0.818	0.733	0.630
## m_community 48	0.867	0.727	0.733	0.481
## m_community 49	0.882	0.750	0.765	0.586
## m_community 50	0.636	0.778	0.818	0.652
## m_community 51	1.000	0.867	1.000	0.800
## m_community 52	1.000	1.000	1.000	0.882
## m_community 53	1.000	1.000	1.000	0.846
## m_community 54	0.714	0.857	0.714	0.789
## m_community 55	0.818	0.889	0.636	0.652
## m_community 56	0.636	0.889	0.818	0.739
## m_community 57	0.833	0.895	0.667	0.417
## m_community 58	0.900	0.926	0.700	0.312
## m_community 59	0.556	0.875	0.556	0.714
## m_community 60	0.667	0.895	0.500	0.750
## m_community 61	0.750	0.867	0.750	0.700
## m_community 62	0.867	0.909	0.733	0.704
## m_community 63	1.000	1.000	1.000	0.700
## m_community 64	1.000	1.000	0.833	0.500
## m_community 65	1.000	1.000	1.000	0.619
## m_community 66	1.000	1.000	0.667	0.889
##	m_community 5	m_community 6	m_community 7	m_community 8
## m_community 1	0.429	0.647	0.200	0.739
## m_community 2	0.714	0.417	0.529	0.800
## m_community 3	0.714	0.647	0.600	0.739
## m_community 4	0.789	0.379	0.636	0.657
## m_community 5	NA	0.714	0.429	0.800
## m_community 6	0.714	NA	0.529	0.600
## m_community 7	0.429	0.529	NA	0.739

## m_community 8	0.800	0.600	0.739	NA
## m_community 9	0.556	0.579	0.500	0.680
## m_community 10	0.692	0.217	0.500	0.448
## m_community 11	0.556	0.263	0.333	0.760
## m_community 12	0.875	0.692	0.789	0.562
## m_community 13	0.333	0.500	0.111	0.727
## m_community 14	0.333	0.625	0.333	0.818
## m_community 15	0.500	0.857	0.429	0.900
## m_community 16	0.800	0.500	0.692	0.615
## m_community 17	0.733	0.440	0.556	0.226
## m_community 18	0.667	0.875	0.778	0.818
## m_community 19	0.600	0.867	0.500	0.905
## m_community 20	0.714	0.765	0.400	0.652
## m_community 21	0.667	0.750	0.556	0.818
## m_community 22	0.750	0.889	0.818	0.917
## m_community 23	0.778	0.474	0.667	0.760
## m_community 24	0.714	0.412	0.600	0.913
## m_community 25	0.500	0.714	0.429	0.900
## m_community 26	0.913	0.758	0.769	0.897
## m_community 27	0.846	0.565	0.625	0.862
## m_community 28	0.833	0.455	0.600	0.643
## m_community 29	0.667	0.625	0.556	0.636
## m_community 30	0.800	0.900	0.846	0.923
## m_community 31	0.926	0.568	0.800	0.442
## m_community 32	0.938	0.619	0.829	0.375
## m_community 33	0.900	0.400	0.739	0.278
## m_community 34	0.714	0.765	0.600	0.913
## m_community 35	0.939	0.535	0.833	0.388
## m_community 36	0.867	0.440	0.778	0.871
## m_community 37	0.833	0.636	0.600	0.571
## m_community 38	0.889	0.286	0.714	0.471
## m_community 39	0.778	0.789	0.667	0.520
## m_community 40	0.778	0.789	0.667	0.600
## m_community 41	0.905	0.484	0.750	0.459
## m_community 42	0.846	0.565	0.750	0.241
## m_community 43	0.778	0.263	0.667	0.680
## m_community 44	0.857	0.333	0.647	0.400
## m_community 45	0.667	0.750	0.556	0.636

## m_community 46	0.714	0.529	0.400	0.739
## m_community 47	1.000	0.636	0.867	0.429
## m_community 48	1.000	0.727	0.867	0.643
## m_community 49	1.000	0.833	0.882	0.733
## m_community 50	1.000	0.889	0.818	0.917
## m_community 51	1.000	1.000	1.000	1.000
## m_community 52	1.000	0.793	1.000	0.371
## m_community 53	1.000	0.714	1.000	0.333
## m_community 54	1.000	0.857	0.714	0.900
## m_community 55	1.000	0.556	0.818	0.583
## m_community 56	1.000	0.778	0.818	0.833
## m_community 57	1.000	0.789	0.833	0.840
## m_community 58	1.000	0.704	0.900	0.636
## m_community 59	1.000	0.875	0.778	0.818
## m_community 60	1.000	0.895	0.833	0.600
## m_community 61	1.000	0.867	0.750	0.905
## m_community 62	1.000	0.636	0.867	0.357
## m_community 63	1.000	0.867	1.000	0.905
## m_community 64	1.000	0.895	1.000	0.920
## m_community 65	1.000	0.875	1.000	0.909
## m_community 66	1.000	1.000	1.000	1.000
##	m_community 9	m_community 10	m_community 11	m_community 12
## m_community 1	0.500	0.625	0.500	0.684
## m_community 2	0.684	0.478	0.263	0.692
## m_community 3	0.333	0.625	0.667	0.684
## m_community 4	0.667	0.357	0.417	0.548
## m_community 5	0.556	0.692	0.556	0.875
## m_community 6	0.579	0.217	0.263	0.692
## m_community 7	0.500	0.500	0.333	0.789
## m_community 8	0.680	0.448	0.760	0.562
## m_community 9	NA	0.556	0.571	0.714
## m_community 10	0.556	NA	0.333	0.600
## m_community 11	0.571	0.333	NA	0.810
## m_community 12	0.714	0.600	0.810	NA
## m_community 13	0.455	0.467	0.273	0.778
## m_community 14	0.636	0.600	0.455	0.778
## m_community 15	0.778	0.846	0.778	0.875
## m_community 16	0.733	0.474	0.733	0.545

## m_community 17	0.600	0.250	0.600	0.556
## m_community 18	0.818	0.867	0.818	0.556
## m_community 19	0.800	0.857	0.800	1.000
## m_community 20	0.667	0.750	0.667	0.789
## m_community 21	0.636	0.733	0.636	0.667
## m_community 22	0.846	0.882	0.846	0.700
## m_community 23	0.857	0.444	0.571	0.810
## m_community 24	0.833	0.500	0.167	1.000
## m_community 25	0.778	0.692	0.556	1.000
## m_community 26	0.857	0.750	0.714	0.829
## m_community 27	0.778	0.545	0.444	0.760
## m_community 28	0.765	0.429	0.647	0.583
## m_community 29	0.455	0.467	0.636	0.667
## m_community 30	0.867	0.895	0.867	0.636
## m_community 31	0.812	0.444	0.688	0.538
## m_community 32	0.838	0.512	0.730	0.636
## m_community 33	0.760	0.310	0.520	0.625
## m_community 34	0.833	0.750	0.667	0.789
## m_community 35	0.842	0.524	0.684	0.733
## m_community 36	0.900	0.583	0.500	0.926
## m_community 37	0.647	0.524	0.529	0.667
## m_community 38	0.739	0.333	0.478	0.667
## m_community 39	0.571	0.667	0.714	0.619
## m_community 40	0.571	0.667	0.714	0.524
## m_community 41	0.769	0.333	0.615	0.576
## m_community 42	0.667	0.364	0.778	0.600
## m_community 43	0.857	0.222	0.429	0.810
## m_community 44	0.684	0.130	0.474	0.692
## m_community 45	0.455	0.600	0.636	0.667
## m_community 46	0.500	0.375	0.333	0.789
## m_community 47	0.765	0.429	0.882	0.417
## m_community 48	0.765	0.619	0.882	0.250
## m_community 49	0.789	0.739	0.895	0.308
## m_community 50	0.846	0.882	0.846	0.500
## m_community 51	1.000	1.000	1.000	0.647
## m_community 52	1.000	0.714	1.000	0.806
## m_community 53	1.000	0.600	1.000	0.739
## m_community 54	0.778	0.846	0.778	0.750

## m_community 55	0.846	0.412	0.846	0.700
## m_community 56	0.846	0.765	0.846	0.500
## m_community 57	0.857	0.778	0.857	0.619
## m_community 58	0.818	0.538	0.909	0.586
## m_community 59	0.636	0.733	0.818	0.556
## m_community 60	0.714	0.778	0.857	0.619
## m_community 61	0.800	0.857	0.800	0.647
## m_community 62	0.765	0.429	0.882	0.583
## m_community 63	1.000	0.857	1.000	0.647
## m_community 64	1.000	0.889	1.000	0.714
## m_community 65	1.000	0.867	1.000	0.667
## m_community 66	1.000	1.000	1.000	1.000
##	m_community 13	m_community 14	m_community 15	m_community 16
## m_community 1	0.333	0.556	0.429	0.692
## m_community 2	0.500	0.500	0.857	0.800
## m_community 3	0.556	0.778	0.714	0.692
## m_community 4	0.619	0.714	0.895	0.680
## m_community 5	0.333	0.333	0.500	0.800
## m_community 6	0.500	0.625	0.857	0.500
## m_community 7	0.111	0.333	0.429	0.692
## m_community 8	0.727	0.818	0.900	0.615
## m_community 9	0.455	0.636	0.778	0.733
## m_community 10	0.467	0.600	0.846	0.474
## m_community 11	0.273	0.455	0.778	0.733
## m_community 12	0.778	0.778	0.875	0.545
## m_community 13	NA	0.250	0.667	0.667
## m_community 14	0.250	NA	0.667	0.833
## m_community 15	0.667	0.667	NA	0.800
## m_community 16	0.667	0.833	0.800	NA
## m_community 17	0.529	0.647	0.867	0.524
## m_community 18	0.750	0.750	0.667	0.833
## m_community 19	0.714	0.714	0.600	1.000
## m_community 20	0.556	0.778	0.714	0.846
## m_community 21	0.500	0.750	1.000	0.833
## m_community 22	0.800	0.600	1.000	1.000
## m_community 23	0.636	0.636	1.000	0.733
## m_community 24	0.556	0.556	1.000	1.000
## m_community 25	0.333	0.333	1.000	1.000

## m_community 26	0.760	0.760	1.000	0.931
## m_community 27	0.600	0.733	1.000	0.895
## m_community 28	0.571	0.714	1.000	0.556
## m_community 29	0.500	0.750	1.000	0.667
## m_community 30	0.833	0.667	1.000	1.000
## m_community 31	0.793	0.862	1.000	0.758
## m_community 32	0.824	0.882	1.000	0.789
## m_community 33	0.727	0.818	1.000	0.692
## m_community 34	0.556	0.556	1.000	1.000
## m_community 35	0.829	0.886	1.000	0.795
## m_community 36	0.765	0.765	1.000	0.905
## m_community 37	0.571	0.714	1.000	0.889
## m_community 38	0.700	0.800	1.000	0.667
## m_community 39	0.636	0.636	1.000	0.867
## m_community 40	0.636	0.818	1.000	0.867
## m_community 41	0.739	0.739	1.000	0.704
## m_community 42	0.733	0.867	1.000	0.579
## m_community 43	0.636	0.636	1.000	0.600
## m_community 44	0.625	0.750	1.000	0.600
## m_community 45	0.500	0.750	1.000	0.833
## m_community 46	0.333	0.556	1.000	0.846
## m_community 47	0.857	0.857	1.000	0.556
## m_community 48	0.857	0.857	1.000	0.667
## m_community 49	0.875	0.875	1.000	0.500
## m_community 50	0.800	0.800	1.000	0.857
## m_community 51	1.000	0.714	1.000	1.000
## m_community 52	1.000	1.000	1.000	0.760
## m_community 53	1.000	1.000	1.000	0.647
## m_community 54	0.667	1.000	1.000	0.800
## m_community 55	0.800	1.000	1.000	0.429
## m_community 56	0.800	1.000	1.000	0.714
## m_community 57	0.818	1.000	1.000	0.733
## m_community 58	0.895	1.000	1.000	0.652
## m_community 59	0.750	1.000	1.000	0.833
## m_community 60	0.818	1.000	1.000	0.867
## m_community 61	0.714	1.000	1.000	0.818
## m_community 62	0.857	1.000	1.000	0.556
## m_community 63	1.000	1.000	1.000	0.818

## m_community 64	1.000	1.000	1.000	0.867
## m_community 65	1.000	1.000	1.000	0.833
## m_community 66	1.000	1.000	1.000	1.000
##	m_community 17	m_community 18	m_community 19	m_community 20
## m_community 1	0.667	0.778	0.500	0.400
## m_community 2	0.680	0.875	0.867	0.765
## m_community 3	0.667	0.778	1.000	0.800
## m_community 4	0.533	0.714	0.900	0.818
## m_community 5	0.733	0.667	0.600	0.714
## m_community 6	0.440	0.875	0.867	0.765
## m_community 7	0.556	0.778	0.500	0.400
## m_community 8	0.226	0.818	0.905	0.652
## m_community 9	0.600	0.818	0.800	0.667
## m_community 10	0.250	0.867	0.857	0.750
## m_community 11	0.600	0.818	0.800	0.667
## m_community 12	0.556	0.556	1.000	0.789
## m_community 13	0.529	0.750	0.714	0.556
## m_community 14	0.647	0.750	0.714	0.778
## m_community 15	0.867	0.667	0.600	0.714
## m_community 16	0.524	0.833	1.000	0.846
## m_community 17	NA	0.882	0.875	0.778
## m_community 18	0.882	NA	1.000	0.778
## m_community 19	0.875	1.000	NA	0.500
## m_community 20	0.778	0.778	0.500	NA
## m_community 21	0.765	0.500	0.714	0.556
## m_community 22	0.895	0.600	0.778	0.818
## m_community 23	0.600	1.000	0.800	0.833
## m_community 24	0.778	1.000	0.750	0.800
## m_community 25	0.733	1.000	0.600	0.714
## m_community 26	0.824	1.000	0.917	0.846
## m_community 27	0.750	0.733	0.857	0.750
## m_community 28	0.478	1.000	0.846	0.733
## m_community 29	0.529	1.000	0.714	0.556
## m_community 30	0.905	0.667	0.818	0.846
## m_community 31	0.421	0.862	0.929	0.867
## m_community 32	0.442	0.941	0.939	0.886
## m_community 33	0.226	0.909	0.905	0.826
## m_community 34	0.778	0.556	0.750	0.800

## m_community 35	0.455	1.000	0.941	0.889
## m_community 36	0.769	1.000	0.875	0.889
## m_community 37	0.565	1.000	0.846	0.733
## m_community 38	0.448	1.000	0.895	0.810
## m_community 39	0.600	1.000	0.800	0.667
## m_community 40	0.600	1.000	0.800	0.667
## m_community 41	0.438	1.000	0.909	0.833
## m_community 42	0.250	1.000	0.857	0.750
## m_community 43	0.500	1.000	0.800	0.833
## m_community 44	0.200	1.000	0.867	0.765
## m_community 45	0.529	1.000	0.714	0.556
## m_community 46	0.556	1.000	0.750	0.600
## m_community 47	0.304	0.857	1.000	0.867
## m_community 48	0.652	0.571	1.000	0.733
## m_community 49	0.680	0.750	1.000	0.882
## m_community 50	0.895	0.600	1.000	0.818
## m_community 51	1.000	0.429	1.000	1.000
## m_community 52	0.533	0.905	1.000	0.818
## m_community 53	0.364	0.846	1.000	0.857
## m_community 54	0.867	0.667	1.000	0.714
## m_community 55	0.474	1.000	1.000	0.818
## m_community 56	0.789	0.800	1.000	0.818
## m_community 57	0.800	0.636	1.000	0.833
## m_community 58	0.571	0.789	1.000	0.900
## m_community 59	0.765	0.750	1.000	0.778
## m_community 60	0.700	1.000	1.000	0.833
## m_community 61	0.875	0.429	1.000	0.750
## m_community 62	0.391	1.000	1.000	0.867
## m_community 63	0.875	0.429	1.000	1.000
## m_community 64	0.900	0.636	1.000	1.000
## m_community 65	0.882	0.500	1.000	1.000
## m_community 66	1.000	1.000	1.000	1.000
##	m_community 21	m_community 22	m_community 23	m_community 24
## m_community 1	0.556	0.818	0.833	0.800
## m_community 2	0.750	0.778	0.684	0.412
## m_community 3	0.778	0.818	0.833	1.000
## m_community 4	0.619	0.565	0.500	0.545
## m_community 5	0.667	0.750	0.778	0.714

## m_community 6	0.750	0.889	0.474	0.412
## m_community 7	0.556	0.818	0.667	0.600
## m_community 8	0.818	0.917	0.760	0.913
## m_community 9	0.636	0.846	0.857	0.833
## m_community 10	0.733	0.882	0.444	0.500
## m_community 11	0.636	0.846	0.571	0.167
## m_community 12	0.667	0.700	0.810	1.000
## m_community 13	0.500	0.800	0.636	0.556
## m_community 14	0.750	0.600	0.636	0.556
## m_community 15	1.000	1.000	1.000	1.000
## m_community 16	0.833	1.000	0.733	1.000
## m_community 17	0.765	0.895	0.600	0.778
## m_community 18	0.500	0.600	1.000	1.000
## m_community 19	0.714	0.778	0.800	0.750
## m_community 20	0.556	0.818	0.833	0.800
## m_community 21	NA	0.400	0.818	0.778
## m_community 22	0.400	NA	0.692	0.818
## m_community 23	0.818	0.692	NA	0.500
## m_community 24	0.778	0.818	0.500	NA
## m_community 25	0.667	0.750	0.556	0.429
## m_community 26	0.840	0.778	0.714	0.769
## m_community 27	0.467	0.529	0.667	0.500
## m_community 28	0.714	0.750	0.294	0.733
## m_community 29	0.500	0.800	0.636	0.778
## m_community 30	0.500	0.143	0.733	0.846
## m_community 31	0.724	0.677	0.625	0.733
## m_community 32	0.824	0.889	0.730	0.771
## m_community 33	0.727	0.833	0.600	0.565
## m_community 34	0.333	0.273	0.500	0.600
## m_community 35	0.886	0.946	0.737	0.722
## m_community 36	0.882	0.789	0.500	0.444
## m_community 37	0.714	0.875	0.647	0.600
## m_community 38	0.800	0.909	0.565	0.524
## m_community 39	0.636	0.692	0.857	0.833
## m_community 40	0.636	0.846	0.857	0.833
## m_community 41	0.826	0.760	0.538	0.667
## m_community 42	0.733	0.882	0.667	0.875
## m_community 43	0.818	0.846	0.286	0.333

## m_community 44	0.750	0.889	0.474	0.529
## m_community 45	0.500	0.800	0.818	0.778
## m_community 46	0.556	0.818	0.500	0.400
## m_community 47	0.714	0.750	0.765	1.000
## m_community 48	0.571	0.500	0.765	1.000
## m_community 49	0.625	0.556	0.895	1.000
## m_community 50	0.400	0.333	1.000	1.000
## m_community 51	0.429	0.333	1.000	1.000
## m_community 52	1.000	1.000	0.833	1.000
## m_community 53	1.000	1.000	0.750	1.000
## m_community 54	0.333	0.750	1.000	1.000
## m_community 55	0.800	0.833	0.538	1.000
## m_community 56	0.600	0.833	0.846	1.000
## m_community 57	0.455	0.385	0.714	1.000
## m_community 58	0.684	0.619	0.727	1.000
## m_community 59	0.500	0.800	1.000	1.000
## m_community 60	0.818	0.846	0.857	1.000
## m_community 61	0.143	0.556	1.000	1.000
## m_community 62	0.857	1.000	0.765	1.000
## m_community 63	0.429	0.556	0.800	1.000
## m_community 64	0.636	0.385	0.571	1.000
## m_community 65	0.500	0.400	0.818	1.000
## m_community 66	1.000	0.714	0.750	1.000
##	m_community 25	m_community 26	m_community 27	m_community 28
## m_community 1	0.714	0.846	0.750	0.600
## m_community 2	0.714	0.455	0.565	0.727
## m_community 3	1.000	0.846	0.875	0.733
## m_community 4	0.789	0.737	0.214	0.556
## m_community 5	0.500	0.913	0.846	0.833
## m_community 6	0.714	0.758	0.565	0.455
## m_community 7	0.429	0.769	0.625	0.600
## m_community 8	0.900	0.897	0.862	0.643
## m_community 9	0.778	0.857	0.778	0.765
## m_community 10	0.692	0.750	0.545	0.429
## m_community 11	0.556	0.714	0.444	0.647
## m_community 12	1.000	0.829	0.760	0.583
## m_community 13	0.333	0.760	0.600	0.571
## m_community 14	0.333	0.760	0.733	0.714

## m_community 15	1.000	1.000	1.000	1.000
## m_community 16	1.000	0.931	0.895	0.556
## m_community 17	0.733	0.824	0.750	0.478
## m_community 18	1.000	1.000	0.733	1.000
## m_community 19	0.600	0.917	0.857	0.846
## m_community 20	0.714	0.846	0.750	0.733
## m_community 21	0.667	0.840	0.467	0.714
## m_community 22	0.750	0.778	0.529	0.750
## m_community 23	0.556	0.714	0.667	0.294
## m_community 24	0.429	0.769	0.500	0.733
## m_community 25	NA	0.826	0.692	0.667
## m_community 26	0.826	NA	0.750	0.742
## m_community 27	0.692	0.750	NA	0.714
## m_community 28	0.667	0.742	0.714	NA
## m_community 29	0.667	0.840	0.733	0.571
## m_community 30	0.800	0.655	0.579	0.778
## m_community 31	0.852	0.783	0.444	0.486
## m_community 32	0.875	0.843	0.707	0.600
## m_community 33	0.800	0.795	0.586	0.571
## m_community 34	0.429	0.769	0.500	0.600
## m_community 35	0.879	0.846	0.762	0.659
## m_community 36	0.733	0.765	0.667	0.652
## m_community 37	0.667	0.742	0.619	0.600
## m_community 38	0.778	0.784	0.630	0.538
## m_community 39	0.778	0.786	0.778	0.765
## m_community 40	0.778	0.857	0.778	0.529
## m_community 41	0.810	0.650	0.667	0.517
## m_community 42	0.846	0.875	0.818	0.524
## m_community 43	0.556	0.786	0.556	0.412
## m_community 44	0.714	0.758	0.565	0.455
## m_community 45	0.667	0.840	0.733	0.714
## m_community 46	0.429	0.692	0.500	0.600
## m_community 47	1.000	0.871	0.810	0.600
## m_community 48	1.000	0.806	0.619	0.700
## m_community 49	1.000	0.818	0.652	0.818
## m_community 50	1.000	0.852	0.529	0.750
## m_community 51	1.000	0.917	0.714	1.000
## m_community 52	1.000	1.000	1.000	0.778

## m_community 53	1.000	1.000	1.000	0.684
## m_community 54	1.000	0.913	0.692	0.833
## m_community 55	1.000	0.852	0.882	0.375
## m_community 56	1.000	0.926	0.765	0.500
## m_community 57	1.000	0.857	0.444	0.647
## m_community 58	1.000	0.889	0.462	0.600
## m_community 59	1.000	0.920	0.733	0.714
## m_community 60	1.000	0.857	0.889	0.647
## m_community 61	1.000	0.917	0.571	0.846
## m_community 62	1.000	0.935	0.905	0.600
## m_community 63	1.000	1.000	0.714	0.846
## m_community 64	1.000	0.929	0.556	0.647
## m_community 65	1.000	1.000	0.600	0.857
## m_community 66	1.000	0.909	1.000	0.818
##	m_community 29	m_community 30	m_community 31	m_community 32
## m_community 1	0.556	0.846	0.800	0.829
## m_community 2	0.750	0.600	0.730	0.762
## m_community 3	0.556	0.846	0.800	0.886
## m_community 4	0.619	0.600	0.333	0.617
## m_community 5	0.667	0.800	0.926	0.938
## m_community 6	0.625	0.900	0.568	0.619
## m_community 7	0.556	0.846	0.800	0.829
## m_community 8	0.636	0.923	0.442	0.375
## m_community 9	0.455	0.867	0.812	0.838
## m_community 10	0.467	0.895	0.444	0.512
## m_community 11	0.636	0.867	0.688	0.730
## m_community 12	0.667	0.636	0.538	0.636
## m_community 13	0.500	0.833	0.793	0.824
## m_community 14	0.750	0.667	0.862	0.882
## m_community 15	1.000	1.000	1.000	1.000
## m_community 16	0.667	1.000	0.758	0.789
## m_community 17	0.529	0.905	0.421	0.442
## m_community 18	1.000	0.667	0.862	0.941
## m_community 19	0.714	0.818	0.929	0.939
## m_community 20	0.556	0.846	0.867	0.886
## m_community 21	0.500	0.500	0.724	0.824
## m_community 22	0.800	0.143	0.677	0.889
## m_community 23	0.636	0.733	0.625	0.730

## m_community 24	0.778	0.846	0.733	0.771
## m_community 25	0.667	0.800	0.852	0.875
## m_community 26	0.840	0.655	0.783	0.843
## m_community 27	0.733	0.579	0.444	0.707
## m_community 28	0.571	0.778	0.486	0.600
## m_community 29	NA	0.833	0.724	0.765
## m_community 30	0.833	NA	0.697	0.895
## m_community 31	0.724	0.697	NA	0.309
## m_community 32	0.765	0.895	0.309	NA
## m_community 33	0.636	0.846	0.349	0.292
## m_community 34	0.778	0.385	0.667	0.829
## m_community 35	0.771	0.949	0.429	0.148
## m_community 36	0.765	0.810	0.684	0.767
## m_community 37	0.571	0.889	0.486	0.500
## m_community 38	0.600	0.917	0.415	0.478
## m_community 39	0.455	0.733	0.625	0.676
## m_community 40	0.455	0.867	0.562	0.622
## m_community 41	0.652	0.704	0.364	0.429
## m_community 42	0.467	0.895	0.389	0.463
## m_community 43	0.636	0.867	0.562	0.622
## m_community 44	0.500	0.900	0.351	0.429
## m_community 45	0.250	0.833	0.724	0.765
## m_community 46	0.333	0.846	0.667	0.714
## m_community 47	0.571	0.778	0.486	0.550
## m_community 48	0.571	0.444	0.600	0.750
## m_community 49	0.625	0.500	0.622	0.762
## m_community 50	0.800	0.429	0.677	0.833
## m_community 51	1.000	0.455	0.857	0.939
## m_community 52	0.905	1.000	0.714	0.362
## m_community 53	0.846	1.000	0.647	0.590
## m_community 54	0.667	0.800	0.852	0.875
## m_community 55	0.600	0.857	0.613	0.722
## m_community 56	0.600	0.857	0.613	0.667
## m_community 57	0.636	0.467	0.562	0.838
## m_community 58	0.684	0.652	0.400	0.689
## m_community 59	0.500	0.833	0.724	0.765
## m_community 60	0.636	0.867	0.562	0.676
## m_community 61	0.714	0.636	0.786	0.879

## m_community 62	0.571	1.000	0.486	0.500
## m_community 63	0.714	0.636	0.786	0.879
## m_community 64	0.818	0.467	0.625	0.892
## m_community 65	0.750	0.500	0.724	0.882
## m_community 66	1.000	0.778	0.923	1.000
##	m_community 33	m_community 34	m_community 35	m_community 36
## m_community 1	0.826	0.800	0.833	0.889
## m_community 2	0.600	0.765	0.721	0.600
## m_community 3	0.826	0.800	0.889	0.889
## m_community 4	0.429	0.545	0.625	0.533
## m_community 5	0.900	0.714	0.939	0.867
## m_community 6	0.400	0.765	0.535	0.440
## m_community 7	0.739	0.600	0.833	0.778
## m_community 8	0.278	0.913	0.388	0.871
## m_community 9	0.760	0.833	0.842	0.900
## m_community 10	0.310	0.750	0.524	0.583
## m_community 11	0.520	0.667	0.684	0.500
## m_community 12	0.625	0.789	0.733	0.926
## m_community 13	0.727	0.556	0.829	0.765
## m_community 14	0.818	0.556	0.886	0.765
## m_community 15	1.000	1.000	1.000	1.000
## m_community 16	0.692	1.000	0.795	0.905
## m_community 17	0.226	0.778	0.455	0.769
## m_community 18	0.909	0.556	1.000	1.000
## m_community 19	0.905	0.750	0.941	0.875
## m_community 20	0.826	0.800	0.889	0.889
## m_community 21	0.727	0.333	0.886	0.882
## m_community 22	0.833	0.273	0.946	0.789
## m_community 23	0.600	0.500	0.737	0.500
## m_community 24	0.565	0.600	0.722	0.444
## m_community 25	0.800	0.429	0.879	0.733
## m_community 26	0.795	0.769	0.846	0.765
## m_community 27	0.586	0.500	0.762	0.667
## m_community 28	0.571	0.600	0.659	0.652
## m_community 29	0.636	0.778	0.771	0.765
## m_community 30	0.846	0.385	0.949	0.810
## m_community 31	0.349	0.667	0.429	0.684
## m_community 32	0.292	0.829	0.148	0.767

## m_community 33	NA	0.739	0.306	0.613
## m_community 34	0.739	NA	0.889	0.667
## m_community 35	0.306	0.889	NA	0.682
## m_community 36	0.613	0.667	0.682	NA
## m_community 37	0.571	0.733	0.512	0.739
## m_community 38	0.353	0.810	0.404	0.379
## m_community 39	0.680	0.833	0.684	0.900
## m_community 40	0.680	0.833	0.684	0.900
## m_community 41	0.405	0.750	0.360	0.625
## m_community 42	0.379	0.875	0.476	0.833
## m_community 43	0.440	0.667	0.632	0.500
## m_community 44	0.200	0.765	0.442	0.600
## m_community 45	0.636	0.778	0.771	0.882
## m_community 46	0.565	0.600	0.722	0.667
## m_community 47	0.357	0.867	0.610	0.913
## m_community 48	0.643	0.733	0.805	0.913
## m_community 49	0.667	0.765	0.814	0.920
## m_community 50	0.833	0.636	0.892	1.000
## m_community 51	0.905	0.500	1.000	1.000
## m_community 52	0.486	1.000	0.375	0.933
## m_community 53	0.407	1.000	0.600	0.909
## m_community 54	0.800	0.714	0.939	1.000
## m_community 55	0.583	0.818	0.730	0.789
## m_community 56	0.750	0.818	0.838	0.895
## m_community 57	0.760	0.500	0.895	0.800
## m_community 58	0.576	0.700	0.739	0.857
## m_community 59	0.727	0.778	0.829	1.000
## m_community 60	0.760	0.833	0.684	0.900
## m_community 61	0.810	0.500	0.941	1.000
## m_community 62	0.500	1.000	0.512	0.913
## m_community 63	0.810	0.500	0.941	0.875
## m_community 64	0.840	0.500	0.947	0.800
## m_community 65	0.818	0.556	0.943	0.882
## m_community 66	1.000	0.667	1.000	0.857
##	m_community 37	m_community 38	m_community 39	m_community 40
## m_community 1	0.600	0.810	0.667	0.500
## m_community 2	0.636	0.571	0.684	0.789
## m_community 3	0.733	0.810	0.667	0.667

## m_community 4	0.630	0.455	0.750	0.750
## m_community 5	0.833	0.889	0.778	0.778
## m_community 6	0.636	0.286	0.789	0.789
## m_community 7	0.600	0.714	0.667	0.667
## m_community 8	0.571	0.471	0.520	0.600
## m_community 9	0.647	0.739	0.571	0.571
## m_community 10	0.524	0.333	0.667	0.667
## m_community 11	0.529	0.478	0.714	0.714
## m_community 12	0.667	0.667	0.619	0.524
## m_community 13	0.571	0.700	0.636	0.636
## m_community 14	0.714	0.800	0.636	0.818
## m_community 15	1.000	1.000	1.000	1.000
## m_community 16	0.889	0.667	0.867	0.867
## m_community 17	0.565	0.448	0.600	0.600
## m_community 18	1.000	1.000	1.000	1.000
## m_community 19	0.846	0.895	0.800	0.800
## m_community 20	0.733	0.810	0.667	0.667
## m_community 21	0.714	0.800	0.636	0.636
## m_community 22	0.875	0.909	0.692	0.846
## m_community 23	0.647	0.565	0.857	0.857
## m_community 24	0.600	0.524	0.833	0.833
## m_community 25	0.667	0.778	0.778	0.778
## m_community 26	0.742	0.784	0.786	0.857
## m_community 27	0.619	0.630	0.778	0.778
## m_community 28	0.600	0.538	0.765	0.529
## m_community 29	0.571	0.600	0.455	0.455
## m_community 30	0.889	0.917	0.733	0.867
## m_community 31	0.486	0.415	0.625	0.562
## m_community 32	0.500	0.478	0.676	0.622
## m_community 33	0.571	0.353	0.680	0.680
## m_community 34	0.733	0.810	0.833	0.833
## m_community 35	0.512	0.404	0.684	0.684
## m_community 36	0.739	0.379	0.900	0.900
## m_community 37	NA	0.385	0.294	0.294
## m_community 38	0.385	NA	0.478	0.565
## m_community 39	0.294	0.478	NA	0.286
## m_community 40	0.294	0.565	0.286	NA
## m_community 41	0.379	0.314	0.462	0.615

## m_community 42	0.429	0.333	0.333	0.444
## m_community 43	0.647	0.391	0.857	0.857
## m_community 44	0.545	0.357	0.684	0.684
## m_community 45	0.429	0.600	0.273	0.273
## m_community 46	0.333	0.524	0.500	0.500
## m_community 47	0.700	0.538	0.529	0.647
## m_community 48	0.800	0.692	0.647	0.765
## m_community 49	0.727	0.714	0.579	0.684
## m_community 50	0.750	0.909	0.692	0.692
## m_community 51	1.000	1.000	0.800	1.000
## m_community 52	1.000	0.818	1.000	1.000
## m_community 53	1.000	0.760	1.000	1.000
## m_community 54	0.833	0.889	0.778	0.778
## m_community 55	0.875	0.636	0.846	0.846
## m_community 56	0.750	0.818	0.846	0.538
## m_community 57	0.882	0.826	0.857	0.857
## m_community 58	0.840	0.677	0.818	0.818
## m_community 59	0.571	0.800	0.636	0.455
## m_community 60	0.294	0.565	0.286	0.286
## m_community 61	0.846	0.895	0.800	0.800
## m_community 62	0.400	0.385	0.412	0.529
## m_community 63	1.000	0.895	1.000	1.000
## m_community 64	1.000	0.913	1.000	1.000
## m_community 65	1.000	0.900	1.000	1.000
## m_community 66	1.000	1.000	1.000	1.000
##	m_community 41	m_community 42	m_community 43	m_community 44
## m_community 1	0.833	0.750	0.833	0.765
## m_community 2	0.548	0.826	0.579	0.583
## m_community 3	0.750	0.750	1.000	0.765
## m_community 4	0.500	0.643	0.500	0.448
## m_community 5	0.905	0.846	0.778	0.857
## m_community 6	0.484	0.565	0.263	0.333
## m_community 7	0.750	0.750	0.667	0.647
## m_community 8	0.459	0.241	0.680	0.400
## m_community 9	0.769	0.667	0.857	0.684
## m_community 10	0.333	0.364	0.222	0.130
## m_community 11	0.615	0.778	0.429	0.474
## m_community 12	0.576	0.600	0.810	0.692

## m_community 13	0.739	0.733	0.636	0.625
## m_community 14	0.739	0.867	0.636	0.750
## m_community 15	1.000	1.000	1.000	1.000
## m_community 16	0.704	0.579	0.600	0.600
## m_community 17	0.438	0.250	0.500	0.200
## m_community 18	1.000	1.000	1.000	1.000
## m_community 19	0.909	0.857	0.800	0.867
## m_community 20	0.833	0.750	0.833	0.765
## m_community 21	0.826	0.733	0.818	0.750
## m_community 22	0.760	0.882	0.846	0.889
## m_community 23	0.538	0.667	0.286	0.474
## m_community 24	0.667	0.875	0.333	0.529
## m_community 25	0.810	0.846	0.556	0.714
## m_community 26	0.650	0.875	0.786	0.758
## m_community 27	0.667	0.818	0.556	0.565
## m_community 28	0.517	0.524	0.412	0.455
## m_community 29	0.652	0.467	0.636	0.500
## m_community 30	0.704	0.895	0.867	0.900
## m_community 31	0.364	0.389	0.562	0.351
## m_community 32	0.429	0.463	0.622	0.429
## m_community 33	0.405	0.379	0.440	0.200
## m_community 34	0.750	0.875	0.667	0.765
## m_community 35	0.360	0.476	0.632	0.442
## m_community 36	0.625	0.833	0.500	0.600
## m_community 37	0.379	0.429	0.647	0.545
## m_community 38	0.314	0.333	0.391	0.357
## m_community 39	0.462	0.333	0.857	0.684
## m_community 40	0.615	0.444	0.857	0.684
## m_community 41	NA	0.333	0.462	0.355
## m_community 42	0.333	NA	0.556	0.304
## m_community 43	0.462	0.556	NA	0.263
## m_community 44	0.355	0.304	0.263	NA
## m_community 45	0.652	0.467	0.818	0.625
## m_community 46	0.583	0.625	0.500	0.412
## m_community 47	0.448	0.238	0.647	0.364
## m_community 48	0.586	0.619	0.765	0.636
## m_community 49	0.613	0.652	0.895	0.750
## m_community 50	0.840	0.882	1.000	0.889

## m_community 51	0.909	1.000	1.000	1.000
## m_community 52	0.778	0.643	0.750	0.586
## m_community 53	0.714	0.500	0.625	0.429
## m_community 54	0.905	0.846	1.000	0.857
## m_community 55	0.520	0.412	0.538	0.444
## m_community 56	0.840	0.765	0.846	0.778
## m_community 57	0.769	0.778	0.857	0.789
## m_community 58	0.588	0.538	0.727	0.556
## m_community 59	0.826	0.733	1.000	0.750
## m_community 60	0.538	0.444	1.000	0.789
## m_community 61	0.909	0.857	1.000	0.867
## m_community 62	0.310	0.143	0.647	0.455
## m_community 63	0.909	0.857	0.800	0.867
## m_community 64	0.846	0.889	0.857	0.895
## m_community 65	0.913	0.867	0.818	0.875
## m_community 66	0.900	1.000	1.000	1.000
##	m_community 45	m_community 46	m_community 47	m_community 48
## m_community 1	0.556	0.600	0.867	0.867
## m_community 2	0.750	0.529	0.818	0.727
## m_community 3	0.556	0.600	0.733	0.733
## m_community 4	0.714	0.545	0.630	0.481
## m_community 5	0.667	0.714	1.000	1.000
## m_community 6	0.750	0.529	0.636	0.727
## m_community 7	0.556	0.400	0.867	0.867
## m_community 8	0.636	0.739	0.429	0.643
## m_community 9	0.455	0.500	0.765	0.765
## m_community 10	0.600	0.375	0.429	0.619
## m_community 11	0.636	0.333	0.882	0.882
## m_community 12	0.667	0.789	0.417	0.250
## m_community 13	0.500	0.333	0.857	0.857
## m_community 14	0.750	0.556	0.857	0.857
## m_community 15	1.000	1.000	1.000	1.000
## m_community 16	0.833	0.846	0.556	0.667
## m_community 17	0.529	0.556	0.304	0.652
## m_community 18	1.000	1.000	0.857	0.571
## m_community 19	0.714	0.750	1.000	1.000
## m_community 20	0.556	0.600	0.867	0.733
## m_community 21	0.500	0.556	0.714	0.571

## m_community 22	0.800	0.818	0.750	0.500
## m_community 23	0.818	0.500	0.765	0.765
## m_community 24	0.778	0.400	1.000	1.000
## m_community 25	0.667	0.429	1.000	1.000
## m_community 26	0.840	0.692	0.871	0.806
## m_community 27	0.733	0.500	0.810	0.619
## m_community 28	0.714	0.600	0.600	0.700
## m_community 29	0.250	0.333	0.571	0.571
## m_community 30	0.833	0.846	0.778	0.444
## m_community 31	0.724	0.667	0.486	0.600
## m_community 32	0.765	0.714	0.550	0.750
## m_community 33	0.636	0.565	0.357	0.643
## m_community 34	0.778	0.600	0.867	0.733
## m_community 35	0.771	0.722	0.610	0.805
## m_community 36	0.882	0.667	0.913	0.913
## m_community 37	0.429	0.333	0.700	0.800
## m_community 38	0.600	0.524	0.538	0.692
## m_community 39	0.273	0.500	0.529	0.647
## m_community 40	0.273	0.500	0.647	0.765
## m_community 41	0.652	0.583	0.448	0.586
## m_community 42	0.467	0.625	0.238	0.619
## m_community 43	0.818	0.500	0.647	0.765
## m_community 44	0.625	0.412	0.364	0.636
## m_community 45	NA	0.333	0.571	0.714
## m_community 46	0.333	NA	0.733	0.733
## m_community 47	0.571	0.733	NA	0.400
## m_community 48	0.714	0.733	0.400	NA
## m_community 49	0.625	0.765	0.455	0.273
## m_community 50	0.800	0.818	0.625	0.375
## m_community 51	1.000	1.000	0.692	0.538
## m_community 52	1.000	1.000	0.630	0.778
## m_community 53	1.000	1.000	0.474	0.684
## m_community 54	0.667	0.714	0.667	0.667
## m_community 55	0.800	0.818	0.375	0.625
## m_community 56	0.800	0.818	0.625	0.625
## m_community 57	0.818	0.833	0.647	0.412
## m_community 58	0.789	0.800	0.440	0.440
## m_community 59	0.500	0.556	0.571	0.571

## m_community 60	0.455	0.667	0.647	0.765
## m_community 61	0.714	0.750	0.692	0.538
## m_community 62	0.571	0.733	0.300	0.600
## m_community 63	1.000	1.000	0.692	0.538
## m_community 64	1.000	1.000	0.765	0.529
## m_community 65	1.000	1.000	0.714	0.429
## m_community 66	1.000	1.000	1.000	1.000
##	m_community 49	m_community 50	m_community 51	m_community 52
## m_community 1	0.882	0.636	1.000	1.000
## m_community 2	0.750	0.778	0.867	1.000
## m_community 3	0.765	0.818	1.000	1.000
## m_community 4	0.586	0.652	0.800	0.882
## m_community 5	1.000	1.000	1.000	1.000
## m_community 6	0.833	0.889	1.000	0.793
## m_community 7	0.882	0.818	1.000	1.000
## m_community 8	0.733	0.917	1.000	0.371
## m_community 9	0.789	0.846	1.000	1.000
## m_community 10	0.739	0.882	1.000	0.714
## m_community 11	0.895	0.846	1.000	1.000
## m_community 12	0.308	0.500	0.647	0.806
## m_community 13	0.875	0.800	1.000	1.000
## m_community 14	0.875	0.800	0.714	1.000
## m_community 15	1.000	1.000	1.000	1.000
## m_community 16	0.500	0.857	1.000	0.760
## m_community 17	0.680	0.895	1.000	0.533
## m_community 18	0.750	0.600	0.429	0.905
## m_community 19	1.000	1.000	1.000	1.000
## m_community 20	0.882	0.818	1.000	0.818
## m_community 21	0.625	0.400	0.429	1.000
## m_community 22	0.556	0.333	0.333	1.000
## m_community 23	0.895	1.000	1.000	0.833
## m_community 24	1.000	1.000	1.000	1.000
## m_community 25	1.000	1.000	1.000	1.000
## m_community 26	0.818	0.852	0.917	1.000
## m_community 27	0.652	0.529	0.714	1.000
## m_community 28	0.818	0.750	1.000	0.778
## m_community 29	0.625	0.800	1.000	0.905
## m_community 30	0.500	0.429	0.455	1.000

## m_community 31	0.622	0.677	0.857	0.714
## m_community 32	0.762	0.833	0.939	0.362
## m_community 33	0.667	0.833	0.905	0.486
## m_community 34	0.765	0.636	0.500	1.000
## m_community 35	0.814	0.892	1.000	0.375
## m_community 36	0.920	1.000	1.000	0.933
## m_community 37	0.727	0.750	1.000	1.000
## m_community 38	0.714	0.909	1.000	0.818
## m_community 39	0.579	0.692	0.800	1.000
## m_community 40	0.684	0.692	1.000	1.000
## m_community 41	0.613	0.840	0.909	0.778
## m_community 42	0.652	0.882	1.000	0.643
## m_community 43	0.895	1.000	1.000	0.750
## m_community 44	0.750	0.889	1.000	0.586
## m_community 45	0.625	0.800	1.000	1.000
## m_community 46	0.765	0.818	1.000	1.000
## m_community 47	0.455	0.625	0.692	0.630
## m_community 48	0.273	0.375	0.538	0.778
## m_community 49	NA	0.444	0.600	0.931
## m_community 50	0.444	NA	0.333	1.000
## m_community 51	0.600	0.333	NA	1.000
## m_community 52	0.931	1.000	1.000	NA
## m_community 53	0.905	1.000	1.000	0.308
## m_community 54	0.714	0.500	0.600	1.000
## m_community 55	0.778	0.833	1.000	0.652
## m_community 56	0.667	0.500	0.778	0.913
## m_community 57	0.474	0.385	0.600	0.917
## m_community 58	0.556	0.619	0.778	0.750
## m_community 59	0.625	0.400	0.714	1.000
## m_community 60	0.684	0.692	1.000	1.000
## m_community 61	0.600	0.333	0.333	1.000
## m_community 62	0.636	0.875	1.000	0.704
## m_community 63	0.600	0.556	0.333	0.900
## m_community 64	0.579	0.538	0.600	0.917
## m_community 65	0.500	0.400	0.429	0.905
## m_community 66	1.000	1.000	1.000	1.000
##	m_community 53	m_community 54	m_community 55	m_community 56
## m_community 1	1.000	0.714	0.818	0.636

## m_community 2	1.000	0.857	0.889	0.889
## m_community 3	1.000	0.714	0.636	0.818
## m_community 4	0.846	0.789	0.652	0.739
## m_community 5	1.000	1.000	1.000	1.000
## m_community 6	0.714	0.857	0.556	0.778
## m_community 7	1.000	0.714	0.818	0.818
## m_community 8	0.333	0.900	0.583	0.833
## m_community 9	1.000	0.778	0.846	0.846
## m_community 10	0.600	0.846	0.412	0.765
## m_community 11	1.000	0.778	0.846	0.846
## m_community 12	0.739	0.750	0.700	0.500
## m_community 13	1.000	0.667	0.800	0.800
## m_community 14	1.000	1.000	1.000	1.000
## m_community 15	1.000	1.000	1.000	1.000
## m_community 16	0.647	0.800	0.429	0.714
## m_community 17	0.364	0.867	0.474	0.789
## m_community 18	0.846	0.667	1.000	0.800
## m_community 19	1.000	1.000	1.000	1.000
## m_community 20	0.857	0.714	0.818	0.818
## m_community 21	1.000	0.333	0.800	0.600
## m_community 22	1.000	0.750	0.833	0.833
## m_community 23	0.750	1.000	0.538	0.846
## m_community 24	1.000	1.000	1.000	1.000
## m_community 25	1.000	1.000	1.000	1.000
## m_community 26	1.000	0.913	0.852	0.926
## m_community 27	1.000	0.692	0.882	0.765
## m_community 28	0.684	0.833	0.375	0.500
## m_community 29	0.846	0.667	0.600	0.600
## m_community 30	1.000	0.800	0.857	0.857
## m_community 31	0.647	0.852	0.613	0.613
## m_community 32	0.590	0.875	0.722	0.667
## m_community 33	0.407	0.800	0.583	0.750
## m_community 34	1.000	0.714	0.818	0.818
## m_community 35	0.600	0.939	0.730	0.838
## m_community 36	0.909	1.000	0.789	0.895
## m_community 37	1.000	0.833	0.875	0.750
## m_community 38	0.760	0.889	0.636	0.818
## m_community 39	1.000	0.778	0.846	0.846

## m_community 40	1.000	0.778	0.846	0.538
## m_community 41	0.714	0.905	0.520	0.840
## m_community 42	0.500	0.846	0.412	0.765
## m_community 43	0.625	1.000	0.538	0.846
## m_community 44	0.429	0.857	0.444	0.778
## m_community 45	1.000	0.667	0.800	0.800
## m_community 46	1.000	0.714	0.818	0.818
## m_community 47	0.474	0.667	0.375	0.625
## m_community 48	0.684	0.667	0.625	0.625
## m_community 49	0.905	0.714	0.778	0.667
## m_community 50	1.000	0.500	0.833	0.500
## m_community 51	1.000	0.600	1.000	0.778
## m_community 52	0.308	1.000	0.652	0.913
## m_community 53	NA	1.000	0.467	0.867
## m_community 54	1.000	NA	0.750	0.500
## m_community 55	0.467	0.750	NA	0.667
## m_community 56	0.867	0.500	0.667	NA
## m_community 57	0.875	0.556	0.538	0.538
## m_community 58	0.667	0.765	0.429	0.714
## m_community 59	1.000	0.333	0.800	0.400
## m_community 60	1.000	0.778	0.692	0.692
## m_community 61	1.000	0.200	0.778	0.556
## m_community 62	0.579	0.833	0.375	0.750
## m_community 63	0.833	0.600	0.778	0.556
## m_community 64	0.875	0.778	0.692	0.692
## m_community 65	0.846	0.667	0.800	0.600
## m_community 66	1.000	1.000	0.714	1.000
##	m_community 57	m_community 58	m_community 59	m_community 60
## m_community 1	0.833	0.900	0.556	0.667
## m_community 2	0.895	0.926	0.875	0.895
## m_community 3	0.667	0.700	0.556	0.500
## m_community 4	0.417	0.312	0.714	0.750
## m_community 5	1.000	1.000	1.000	1.000
## m_community 6	0.789	0.704	0.875	0.895
## m_community 7	0.833	0.900	0.778	0.833
## m_community 8	0.840	0.636	0.818	0.600
## m_community 9	0.857	0.818	0.636	0.714
## m_community 10	0.778	0.538	0.733	0.778

## m_community 11	0.857	0.909	0.818	0.857
## m_community 12	0.619	0.586	0.556	0.619
## m_community 13	0.818	0.895	0.750	0.818
## m_community 14	1.000	1.000	1.000	1.000
## m_community 15	1.000	1.000	1.000	1.000
## m_community 16	0.733	0.652	0.833	0.867
## m_community 17	0.800	0.571	0.765	0.700
## m_community 18	0.636	0.789	0.750	1.000
## m_community 19	1.000	1.000	1.000	1.000
## m_community 20	0.833	0.900	0.778	0.833
## m_community 21	0.455	0.684	0.500	0.818
## m_community 22	0.385	0.619	0.800	0.846
## m_community 23	0.714	0.727	1.000	0.857
## m_community 24	1.000	1.000	1.000	1.000
## m_community 25	1.000	1.000	1.000	1.000
## m_community 26	0.857	0.889	0.920	0.857
## m_community 27	0.444	0.462	0.733	0.889
## m_community 28	0.647	0.600	0.714	0.647
## m_community 29	0.636	0.684	0.500	0.636
## m_community 30	0.467	0.652	0.833	0.867
## m_community 31	0.562	0.400	0.724	0.562
## m_community 32	0.838	0.689	0.765	0.676
## m_community 33	0.760	0.576	0.727	0.760
## m_community 34	0.500	0.700	0.778	0.833
## m_community 35	0.895	0.739	0.829	0.684
## m_community 36	0.800	0.857	1.000	0.900
## m_community 37	0.882	0.840	0.571	0.294
## m_community 38	0.826	0.677	0.800	0.565
## m_community 39	0.857	0.818	0.636	0.286
## m_community 40	0.857	0.818	0.455	0.286
## m_community 41	0.769	0.588	0.826	0.538
## m_community 42	0.778	0.538	0.733	0.444
## m_community 43	0.857	0.727	1.000	1.000
## m_community 44	0.789	0.556	0.750	0.789
## m_community 45	0.818	0.789	0.500	0.455
## m_community 46	0.833	0.800	0.556	0.667
## m_community 47	0.647	0.440	0.571	0.647
## m_community 48	0.412	0.440	0.571	0.765

## m_community 49	0.474	0.556	0.625	0.684
## m_community 50	0.385	0.619	0.400	0.692
## m_community 51	0.600	0.778	0.714	1.000
## m_community 52	0.917	0.750	1.000	1.000
## m_community 53	0.875	0.667	1.000	1.000
## m_community 54	0.556	0.765	0.333	0.778
## m_community 55	0.538	0.429	0.800	0.692
## m_community 56	0.538	0.714	0.400	0.692
## m_community 57	NA	0.364	0.636	0.714
## m_community 58	0.364	NA	0.684	0.727
## m_community 59	0.636	0.684	NA	0.455
## m_community 60	0.714	0.727	0.455	NA
## m_community 61	0.400	0.667	0.429	0.800
## m_community 62	0.765	0.520	0.714	0.412
## m_community 63	0.400	0.667	0.714	1.000
## m_community 64	0.143	0.455	0.818	0.857
## m_community 65	0.273	0.579	0.750	1.000
## m_community 66	0.750	0.875	1.000	0.750
##	m_community 61	m_community 62	m_community 63	m_community 64
## m_community 1	0.750	0.867	1.000	1.000
## m_community 2	0.867	0.909	1.000	1.000
## m_community 3	0.750	0.733	1.000	0.833
## m_community 4	0.700	0.704	0.700	0.500
## m_community 5	1.000	1.000	1.000	1.000
## m_community 6	0.867	0.636	0.867	0.895
## m_community 7	0.750	0.867	1.000	1.000
## m_community 8	0.905	0.357	0.905	0.920
## m_community 9	0.800	0.765	1.000	1.000
## m_community 10	0.857	0.429	0.857	0.889
## m_community 11	0.800	0.882	1.000	1.000
## m_community 12	0.647	0.583	0.647	0.714
## m_community 13	0.714	0.857	1.000	1.000
## m_community 14	1.000	1.000	1.000	1.000
## m_community 15	1.000	1.000	1.000	1.000
## m_community 16	0.818	0.556	0.818	0.867
## m_community 17	0.875	0.391	0.875	0.900
## m_community 18	0.429	1.000	0.429	0.636
## m_community 19	1.000	1.000	1.000	1.000

## m_community 20	0.750	0.867	1.000	1.000
## m_community 21	0.143	0.857	0.429	0.636
## m_community 22	0.556	1.000	0.556	0.385
## m_community 23	1.000	0.765	0.800	0.571
## m_community 24	1.000	1.000	1.000	1.000
## m_community 25	1.000	1.000	1.000	1.000
## m_community 26	0.917	0.935	1.000	0.929
## m_community 27	0.571	0.905	0.714	0.556
## m_community 28	0.846	0.600	0.846	0.647
## m_community 29	0.714	0.571	0.714	0.818
## m_community 30	0.636	1.000	0.636	0.467
## m_community 31	0.786	0.486	0.786	0.625
## m_community 32	0.879	0.500	0.879	0.892
## m_community 33	0.810	0.500	0.810	0.840
## m_community 34	0.500	1.000	0.500	0.500
## m_community 35	0.941	0.512	0.941	0.947
## m_community 36	1.000	0.913	0.875	0.800
## m_community 37	0.846	0.400	1.000	1.000
## m_community 38	0.895	0.385	0.895	0.913
## m_community 39	0.800	0.412	1.000	1.000
## m_community 40	0.800	0.529	1.000	1.000
## m_community 41	0.909	0.310	0.909	0.846
## m_community 42	0.857	0.143	0.857	0.889
## m_community 43	1.000	0.647	0.800	0.857
## m_community 44	0.867	0.455	0.867	0.895
## m_community 45	0.714	0.571	1.000	1.000
## m_community 46	0.750	0.733	1.000	1.000
## m_community 47	0.692	0.300	0.692	0.765
## m_community 48	0.538	0.600	0.538	0.529
## m_community 49	0.600	0.636	0.600	0.579
## m_community 50	0.333	0.875	0.556	0.538
## m_community 51	0.333	1.000	0.333	0.600
## m_community 52	1.000	0.704	0.900	0.917
## m_community 53	1.000	0.579	0.833	0.875
## m_community 54	0.200	0.833	0.600	0.778
## m_community 55	0.778	0.375	0.778	0.692
## m_community 56	0.556	0.750	0.556	0.692
## m_community 57	0.400	0.765	0.400	0.143

## m_community 58	0.667	0.520	0.667	0.455
## m_community 59	0.429	0.714	0.714	0.818
## m_community 60	0.800	0.412	1.000	0.857
## m_community 61	NA	0.846	0.333	0.600
## m_community 62	0.846	NA	0.846	0.882
## m_community 63	0.333	0.846	NA	0.400
## m_community 64	0.600	0.882	0.400	NA
## m_community 65	0.429	0.857	0.143	0.273
## m_community 66	1.000	1.000	1.000	0.750
##	m_community 65	m_community 66		
## m_community 1	1.000	1.000		
## m_community 2	1.000	1.000		
## m_community 3	1.000	0.667		
## m_community 4	0.619	0.889		
## m_community 5	1.000	1.000		
## m_community 6	0.875	1.000		
## m_community 7	1.000	1.000		
## m_community 8	0.909	1.000		
## m_community 9	1.000	1.000		
## m_community 10	0.867	1.000		
## m_community 11	1.000	1.000		
## m_community 12	0.667	1.000		
## m_community 13	1.000	1.000		
## m_community 14	1.000	1.000		
## m_community 15	1.000	1.000		
## m_community 16	0.833	1.000		
## m_community 17	0.882	1.000		
## m_community 18	0.500	1.000		
## m_community 19	1.000	1.000		
## m_community 20	1.000	1.000		
## m_community 21	0.500	1.000		
## m_community 22	0.400	0.714		
## m_community 23	0.818	0.750		
## m_community 24	1.000	1.000		
## m_community 25	1.000	1.000		
## m_community 26	1.000	0.909		
## m_community 27	0.600	1.000		
## m_community 28	0.857	0.818		

## m_community 29	0.750	1.000
## m_community 30	0.500	0.778
## m_community 31	0.724	0.923
## m_community 32	0.882	1.000
## m_community 33	0.818	1.000
## m_community 34	0.556	0.667
## m_community 35	0.943	1.000
## m_community 36	0.882	0.857
## m_community 37	1.000	1.000
## m_community 38	0.900	1.000
## m_community 39	1.000	1.000
## m_community 40	1.000	1.000
## m_community 41	0.913	0.900
## m_community 42	0.867	1.000
## m_community 43	0.818	1.000
## m_community 44	0.875	1.000
## m_community 45	1.000	1.000
## m_community 46	1.000	1.000
## m_community 47	0.714	1.000
## m_community 48	0.429	1.000
## m_community 49	0.500	1.000
## m_community 50	0.400	1.000
## m_community 51	0.429	1.000
## m_community 52	0.905	1.000
## m_community 53	0.846	1.000
## m_community 54	0.667	1.000
## m_community 55	0.800	0.714
## m_community 56	0.600	1.000
## m_community 57	0.273	0.750
## m_community 58	0.579	0.875
## m_community 59	0.750	1.000
## m_community 60	1.000	0.750
## m_community 61	0.429	1.000
## m_community 62	0.857	1.000
## m_community 63	0.143	1.000
## m_community 64	0.273	0.750
## m_community 65	NA	1.000
## m_community 66	1.000	NA

```
##
## $bray.gra
##      m_community 1 m_community 2 m_community 3 m_community 4
## m_community 1      NA      0.247      0.000      0.327
## m_community 2      0.247      NA      0.165      0.101
## m_community 3      0.000      0.165      NA      0.436
## m_community 4      0.327      0.101      0.436      NA
## m_community 5      0.429      0.714      0.214      0.789
## m_community 6      0.247      0.000      0.247      0.129
## m_community 7      0.000      0.329      0.000      0.436
## m_community 8      0.339      0.050      0.339      0.010
## m_community 9      0.100      0.113      0.133      0.238
## m_community 10     0.225      0.024      0.225      0.175
## m_community 11     0.100      0.263      0.067      0.417
## m_community 12     0.284      0.026      0.284      0.048
## m_community 13     0.083      0.500      0.056      0.619
## m_community 14     0.056      0.500      0.028      0.464
## m_community 15     0.429      0.357      0.214      0.395
## m_community 16     0.092      0.050      0.092      0.180
## m_community 17     0.267      0.013      0.267      0.072
## m_community 18     0.028      0.125      0.028      0.464
## m_community 19     0.167      0.200      0.000      0.233
## m_community 20     0.000      0.165      0.000      0.218
## m_community 21     0.056      0.250      0.028      0.619
## m_community 22     0.018      0.111      0.018      0.399
## m_community 23     0.033      0.113      0.033      0.357
## m_community 24     0.000      0.412      0.000      0.545
## m_community 25     0.214      0.714      0.000      0.789
## m_community 26     0.246      0.205      0.246      0.031
## m_community 27     0.150      0.020      0.075      0.214
## m_community 28     0.200      0.027      0.133      0.156
## m_community 29     0.056      0.250      0.056      0.619
## m_community 30     0.046      0.100      0.046      0.225
## m_community 31     0.400      0.146      0.400      0.157
## m_community 32     0.429      0.179      0.286      0.146
## m_community 33     0.226      0.100      0.226      0.017
## m_community 34     0.000      0.165      0.000      0.545
## m_community 35     0.433      0.221      0.289      0.154
```

## m_community 36	0.089	0.017	0.089	0.072
## m_community 37	0.200	0.036	0.133	0.130
## m_community 38	0.210	0.071	0.210	0.017
## m_community 39	0.067	0.113	0.067	0.179
## m_community 40	0.100	0.075	0.067	0.179
## m_community 41	0.233	0.132	0.350	0.029
## m_community 42	0.150	0.008	0.150	0.097
## m_community 43	0.033	0.150	0.000	0.357
## m_community 44	0.165	0.000	0.165	0.115
## m_community 45	0.056	0.250	0.056	0.464
## m_community 46	0.000	0.329	0.000	0.545
## m_community 47	0.067	0.018	0.133	0.130
## m_community 48	0.067	0.027	0.133	0.181
## m_community 49	0.082	0.000	0.165	0.086
## m_community 50	0.036	0.111	0.018	0.319
## m_community 51	0.000	0.200	0.000	0.467
## m_community 52	0.000	0.000	0.000	0.000
## m_community 53	0.000	0.000	0.000	0.068
## m_community 54	0.214	0.357	0.214	0.789
## m_community 55	0.018	0.056	0.036	0.319
## m_community 56	0.036	0.056	0.018	0.239
## m_community 57	0.033	0.038	0.067	0.417
## m_community 58	0.100	0.009	0.300	0.046
## m_community 59	0.056	0.125	0.056	0.464
## m_community 60	0.067	0.038	0.100	0.179
## m_community 61	0.083	0.200	0.083	0.700
## m_community 62	0.067	0.009	0.133	0.104
## m_community 63	0.000	0.000	0.000	0.700
## m_community 64	0.000	0.000	0.033	0.357
## m_community 65	0.000	0.000	0.000	0.619
## m_community 66	0.000	0.000	0.667	0.889
##	m_community 5	m_community 6	m_community 7	m_community 8
## m_community 1	0.429	0.247	0.000	0.339
## m_community 2	0.714	0.000	0.329	0.050
## m_community 3	0.214	0.247	0.000	0.339
## m_community 4	0.789	0.129	0.436	0.010
## m_community 5	NA	0.714	0.429	0.800
## m_community 6	0.714	NA	0.329	0.100

## m_community 7	0.429	0.329	NA	0.339
## m_community 8	0.800	0.100	0.339	NA
## m_community 9	0.556	0.150	0.100	0.251
## m_community 10	0.692	0.036	0.300	0.176
## m_community 11	0.556	0.263	0.133	0.189
## m_community 12	0.375	0.026	0.189	0.062
## m_community 13	0.333	0.500	0.111	0.477
## m_community 14	0.333	0.375	0.083	0.318
## m_community 15	0.000	0.357	0.429	0.400
## m_community 16	0.300	0.125	0.092	0.240
## m_community 17	0.733	0.023	0.356	0.149
## m_community 18	0.167	0.125	0.028	0.318
## m_community 19	0.100	0.200	0.167	0.238
## m_community 20	0.214	0.165	0.000	0.452
## m_community 21	0.167	0.250	0.056	0.318
## m_community 22	0.250	0.056	0.018	0.083
## m_community 23	0.278	0.188	0.067	0.189
## m_community 24	0.214	0.412	0.000	0.113
## m_community 25	0.000	0.714	0.429	0.400
## m_community 26	0.413	0.091	0.369	0.009
## m_community 27	0.346	0.020	0.225	0.044
## m_community 28	0.333	0.055	0.200	0.143
## m_community 29	0.167	0.375	0.056	0.636
## m_community 30	0.300	0.025	0.046	0.048
## m_community 31	0.426	0.234	0.400	0.109
## m_community 32	0.438	0.286	0.429	0.208
## m_community 33	0.400	0.150	0.339	0.000
## m_community 34	0.214	0.165	0.000	0.113
## m_community 35	0.439	0.368	0.433	0.221
## m_community 36	0.367	0.023	0.178	0.025
## m_community 37	0.333	0.036	0.200	0.171
## m_community 38	0.389	0.119	0.314	0.033
## m_community 39	0.278	0.075	0.067	0.377
## m_community 40	0.278	0.075	0.067	0.314
## m_community 41	0.405	0.151	0.350	0.015
## m_community 42	0.346	0.020	0.150	0.241
## m_community 43	0.278	0.263	0.067	0.251
## m_community 44	0.357	0.000	0.247	0.150

## m_community 45	0.167	0.250	0.056	0.636
## m_community 46	0.214	0.329	0.000	0.339
## m_community 47	0.000	0.036	0.067	0.229
## m_community 48	0.000	0.027	0.067	0.143
## m_community 49	0.000	0.000	0.082	0.067
## m_community 50	0.000	0.056	0.018	0.083
## m_community 51	0.000	0.000	0.000	0.000
## m_community 52	0.000	0.043	0.000	0.018
## m_community 53	0.000	0.048	0.000	0.333
## m_community 54	0.000	0.357	0.214	0.400
## m_community 55	0.000	0.222	0.018	0.417
## m_community 56	0.000	0.111	0.018	0.167
## m_community 57	0.000	0.075	0.033	0.126
## m_community 58	0.000	0.037	0.100	0.036
## m_community 59	0.000	0.125	0.028	0.318
## m_community 60	0.000	0.038	0.033	0.314
## m_community 61	0.000	0.200	0.083	0.238
## m_community 62	0.000	0.036	0.067	0.257
## m_community 63	0.000	0.200	0.000	0.238
## m_community 64	0.000	0.038	0.000	0.063
## m_community 65	0.000	0.125	0.000	0.159
## m_community 66	0.000	0.000	0.000	0.000
##	m_community 9	m_community 10	m_community 11	m_community 12
## m_community 1	0.100	0.225	0.100	0.284
## m_community 2	0.113	0.024	0.263	0.026
## m_community 3	0.133	0.225	0.067	0.284
## m_community 4	0.238	0.175	0.417	0.048
## m_community 5	0.556	0.692	0.556	0.375
## m_community 6	0.150	0.036	0.263	0.026
## m_community 7	0.100	0.300	0.133	0.189
## m_community 8	0.251	0.176	0.189	0.062
## m_community 9	NA	0.127	0.000	0.143
## m_community 10	0.127	NA	0.190	0.055
## m_community 11	0.000	0.190	NA	0.095
## m_community 12	0.143	0.055	0.095	NA
## m_community 13	0.205	0.467	0.273	0.278
## m_community 14	0.136	0.350	0.205	0.278
## m_community 15	0.278	0.346	0.278	0.375

## m_community 16	0.019	0.099	0.019	0.170
## m_community 17	0.171	0.068	0.171	0.017
## m_community 18	0.068	0.117	0.068	0.556
## m_community 19	0.133	0.190	0.133	0.000
## m_community 20	0.067	0.150	0.067	0.189
## m_community 21	0.136	0.233	0.136	0.417
## m_community 22	0.013	0.049	0.013	0.200
## m_community 23	0.000	0.159	0.000	0.095
## m_community 24	0.033	0.300	0.167	0.000
## m_community 25	0.278	0.692	0.556	0.000
## m_community 26	0.143	0.114	0.286	0.043
## m_community 27	0.063	0.000	0.159	0.033
## m_community 28	0.050	0.029	0.076	0.083
## m_community 29	0.205	0.467	0.136	0.417
## m_community 30	0.010	0.020	0.010	0.136
## m_community 31	0.241	0.354	0.402	0.181
## m_community 32	0.266	0.421	0.444	0.208
## m_community 33	0.189	0.219	0.377	0.054
## m_community 34	0.033	0.150	0.067	0.189
## m_community 35	0.271	0.433	0.541	0.162
## m_community 36	0.043	0.038	0.214	0.003
## m_community 37	0.076	0.024	0.101	0.067
## m_community 38	0.168	0.152	0.335	0.024
## m_community 39	0.000	0.095	0.000	0.190
## m_community 40	0.000	0.095	0.000	0.238
## m_community 41	0.198	0.242	0.330	0.076
## m_community 42	0.095	0.000	0.063	0.055
## m_community 43	0.000	0.222	0.000	0.095
## m_community 44	0.113	0.040	0.188	0.026
## m_community 45	0.205	0.350	0.136	0.417
## m_community 46	0.100	0.375	0.133	0.189
## m_community 47	0.050	0.029	0.025	0.117
## m_community 48	0.050	0.019	0.025	0.150
## m_community 49	0.075	0.012	0.038	0.058
## m_community 50	0.013	0.049	0.013	0.333
## m_community 51	0.000	0.000	0.000	0.647
## m_community 52	0.000	0.078	0.000	0.021
## m_community 53	0.000	0.044	0.000	0.072

## m_community 54	0.278	0.346	0.278	0.750
## m_community 55	0.013	0.245	0.013	0.200
## m_community 56	0.013	0.098	0.013	0.333
## m_community 57	0.000	0.063	0.000	0.190
## m_community 58	0.104	0.084	0.052	0.015
## m_community 59	0.136	0.233	0.068	0.556
## m_community 60	0.000	0.063	0.000	0.190
## m_community 61	0.133	0.190	0.133	0.647
## m_community 62	0.050	0.029	0.025	0.083
## m_community 63	0.000	0.190	0.000	0.647
## m_community 64	0.000	0.032	0.000	0.143
## m_community 65	0.000	0.117	0.000	0.417
## m_community 66	0.000	0.000	0.000	0.000
##	m_community 13	m_community 14	m_community 15	m_community 16
## m_community 1	0.083	0.056	0.429	0.092
## m_community 2	0.500	0.500	0.357	0.050
## m_community 3	0.056	0.028	0.214	0.092
## m_community 4	0.619	0.464	0.395	0.180
## m_community 5	0.333	0.333	0.000	0.300
## m_community 6	0.500	0.375	0.357	0.125
## m_community 7	0.111	0.083	0.429	0.092
## m_community 8	0.477	0.318	0.400	0.240
## m_community 9	0.205	0.136	0.278	0.019
## m_community 10	0.467	0.350	0.346	0.099
## m_community 11	0.273	0.205	0.278	0.019
## m_community 12	0.278	0.278	0.375	0.170
## m_community 13	NA	0.000	0.167	0.167
## m_community 14	0.000	NA	0.167	0.083
## m_community 15	0.167	0.167	NA	0.300
## m_community 16	0.167	0.083	0.300	NA
## m_community 17	0.529	0.397	0.367	0.149
## m_community 18	0.000	0.000	0.167	0.083
## m_community 19	0.048	0.048	0.100	0.000
## m_community 20	0.056	0.028	0.214	0.046
## m_community 21	0.000	0.000	0.000	0.083
## m_community 22	0.050	0.100	0.000	0.000
## m_community 23	0.136	0.136	0.000	0.019
## m_community 24	0.056	0.056	0.000	0.000

## m_community 25	0.333	0.333	0.000	0.000
## m_community 26	0.510	0.510	0.000	0.056
## m_community 27	0.350	0.233	0.000	0.020
## m_community 28	0.321	0.214	0.000	0.056
## m_community 29	0.000	0.000	0.000	0.167
## m_community 30	0.083	0.167	0.000	0.000
## m_community 31	0.543	0.362	0.000	0.258
## m_community 32	0.574	0.382	0.000	0.289
## m_community 33	0.477	0.318	0.000	0.192
## m_community 34	0.056	0.056	0.000	0.000
## m_community 35	0.579	0.386	0.000	0.295
## m_community 36	0.265	0.265	0.000	0.030
## m_community 37	0.321	0.214	0.000	0.014
## m_community 38	0.450	0.300	0.000	0.167
## m_community 39	0.136	0.136	0.000	0.010
## m_community 40	0.136	0.068	0.000	0.010
## m_community 41	0.489	0.489	0.000	0.204
## m_community 42	0.233	0.117	0.000	0.079
## m_community 43	0.136	0.136	0.000	0.029
## m_community 44	0.375	0.250	0.000	0.100
## m_community 45	0.000	0.000	0.000	0.083
## m_community 46	0.083	0.056	0.000	0.046
## m_community 47	0.107	0.107	0.000	0.056
## m_community 48	0.107	0.107	0.000	0.042
## m_community 49	0.125	0.125	0.000	0.125
## m_community 50	0.050	0.050	0.000	0.024
## m_community 51	0.000	0.048	0.000	0.000
## m_community 52	0.000	0.000	0.000	0.135
## m_community 53	0.000	0.000	0.000	0.022
## m_community 54	0.167	0.000	0.000	0.300
## m_community 55	0.050	0.000	0.000	0.095
## m_community 56	0.050	0.000	0.000	0.048
## m_community 57	0.068	0.000	0.000	0.019
## m_community 58	0.145	0.000	0.000	0.152
## m_community 59	0.000	0.000	0.000	0.083
## m_community 60	0.068	0.000	0.000	0.010
## m_community 61	0.048	0.000	0.000	0.152
## m_community 62	0.107	0.000	0.000	0.056

## m_community 63	0.000	0.000	0.000	0.152
## m_community 64	0.000	0.000	0.000	0.010
## m_community 65	0.000	0.000	0.000	0.083
## m_community 66	0.000	0.000	0.000	0.000
##	m_community 17	m_community 18	m_community 19	m_community 20
## m_community 1	0.267	0.028	0.167	0.000
## m_community 2	0.013	0.125	0.200	0.165
## m_community 3	0.267	0.028	0.000	0.000
## m_community 4	0.072	0.464	0.233	0.218
## m_community 5	0.733	0.167	0.100	0.214
## m_community 6	0.023	0.125	0.200	0.165
## m_community 7	0.356	0.028	0.167	0.000
## m_community 8	0.149	0.318	0.238	0.452
## m_community 9	0.171	0.068	0.133	0.067
## m_community 10	0.068	0.117	0.190	0.150
## m_community 11	0.171	0.068	0.133	0.067
## m_community 12	0.017	0.556	0.000	0.189
## m_community 13	0.529	0.000	0.048	0.056
## m_community 14	0.397	0.000	0.048	0.028
## m_community 15	0.367	0.167	0.100	0.214
## m_community 16	0.149	0.083	0.000	0.046
## m_community 17	NA	0.132	0.208	0.178
## m_community 18	0.132	NA	0.000	0.028
## m_community 19	0.208	0.000	NA	0.167
## m_community 20	0.178	0.028	0.167	NA
## m_community 21	0.265	0.000	0.048	0.056
## m_community 22	0.061	0.100	0.111	0.018
## m_community 23	0.171	0.000	0.133	0.033
## m_community 24	0.178	0.000	0.083	0.000
## m_community 25	0.733	0.000	0.100	0.214
## m_community 26	0.054	0.000	0.250	0.246
## m_community 27	0.023	0.233	0.190	0.150
## m_community 28	0.078	0.000	0.179	0.133
## m_community 29	0.529	0.000	0.048	0.056
## m_community 30	0.030	0.167	0.152	0.046
## m_community 31	0.267	0.362	0.262	0.267
## m_community 32	0.365	0.191	0.273	0.286
## m_community 33	0.149	0.159	0.238	0.226

## m_community 34	0.178	0.056	0.083	0.000
## m_community 35	0.378	0.000	0.275	0.289
## m_community 36	0.000	0.000	0.208	0.089
## m_community 37	0.065	0.000	0.179	0.133
## m_community 38	0.064	0.000	0.228	0.210
## m_community 39	0.171	0.000	0.133	0.067
## m_community 40	0.171	0.000	0.133	0.067
## m_community 41	0.130	0.000	0.242	0.233
## m_community 42	0.068	0.000	0.190	0.150
## m_community 43	0.214	0.000	0.133	0.033
## m_community 44	0.033	0.000	0.200	0.165
## m_community 45	0.529	0.000	0.048	0.056
## m_community 46	0.356	0.000	0.083	0.000
## m_community 47	0.104	0.107	0.000	0.067
## m_community 48	0.052	0.321	0.000	0.133
## m_community 49	0.013	0.250	0.000	0.082
## m_community 50	0.061	0.100	0.000	0.018
## m_community 51	0.000	0.095	0.000	0.000
## m_community 52	0.072	0.155	0.000	0.218
## m_community 53	0.141	0.096	0.000	0.057
## m_community 54	0.367	0.167	0.000	0.214
## m_community 55	0.307	0.000	0.000	0.018
## m_community 56	0.123	0.050	0.000	0.018
## m_community 57	0.086	0.136	0.000	0.033
## m_community 58	0.033	0.289	0.000	0.100
## m_community 59	0.265	0.000	0.000	0.028
## m_community 60	0.129	0.000	0.000	0.033
## m_community 61	0.208	0.095	0.000	0.083
## m_community 62	0.091	0.000	0.000	0.067
## m_community 63	0.208	0.095	0.000	0.000
## m_community 64	0.043	0.136	0.000	0.000
## m_community 65	0.132	0.000	0.000	0.000
## m_community 66	0.000	0.000	0.000	0.000
##	m_community 21	m_community 22	m_community 23	m_community 24
## m_community 1	0.056	0.018	0.033	0.000
## m_community 2	0.250	0.111	0.113	0.412
## m_community 3	0.028	0.018	0.033	0.000
## m_community 4	0.619	0.399	0.357	0.545

## m_community 5	0.167	0.250	0.278	0.214
## m_community 6	0.250	0.056	0.188	0.412
## m_community 7	0.056	0.018	0.067	0.000
## m_community 8	0.318	0.083	0.189	0.113
## m_community 9	0.136	0.013	0.000	0.033
## m_community 10	0.233	0.049	0.159	0.300
## m_community 11	0.136	0.013	0.000	0.167
## m_community 12	0.417	0.200	0.095	0.000
## m_community 13	0.000	0.050	0.136	0.056
## m_community 14	0.000	0.100	0.136	0.056
## m_community 15	0.000	0.000	0.000	0.000
## m_community 16	0.083	0.000	0.019	0.000
## m_community 17	0.265	0.061	0.171	0.178
## m_community 18	0.000	0.100	0.000	0.000
## m_community 19	0.048	0.111	0.133	0.083
## m_community 20	0.056	0.018	0.033	0.000
## m_community 21	NA	0.150	0.068	0.028
## m_community 22	0.150	NA	0.026	0.018
## m_community 23	0.068	0.026	NA	0.100
## m_community 24	0.028	0.018	0.100	NA
## m_community 25	0.167	0.250	0.556	0.429
## m_community 26	0.340	0.278	0.286	0.369
## m_community 27	0.467	0.196	0.095	0.300
## m_community 28	0.214	0.083	0.151	0.133
## m_community 29	0.000	0.050	0.136	0.028
## m_community 30	0.250	0.143	0.019	0.046
## m_community 31	0.724	0.511	0.482	0.533
## m_community 32	0.574	0.222	0.444	0.571
## m_community 33	0.477	0.167	0.314	0.565
## m_community 34	0.083	0.073	0.100	0.000
## m_community 35	0.386	0.113	0.451	0.722
## m_community 36	0.132	0.123	0.214	0.444
## m_community 37	0.214	0.042	0.076	0.200
## m_community 38	0.300	0.076	0.280	0.524
## m_community 39	0.136	0.026	0.000	0.033
## m_community 40	0.136	0.013	0.000	0.033
## m_community 41	0.326	0.260	0.396	0.467
## m_community 42	0.233	0.049	0.095	0.075

## m_community 43	0.068	0.013	0.000	0.133
## m_community 44	0.250	0.056	0.188	0.329
## m_community 45	0.000	0.050	0.068	0.028
## m_community 46	0.056	0.018	0.100	0.000
## m_community 47	0.214	0.083	0.050	0.000
## m_community 48	0.321	0.167	0.050	0.000
## m_community 49	0.375	0.222	0.038	0.000
## m_community 50	0.150	0.000	0.000	0.000
## m_community 51	0.095	0.333	0.000	0.000
## m_community 52	0.000	0.000	0.119	0.000
## m_community 53	0.000	0.000	0.036	0.000
## m_community 54	0.333	0.250	0.000	0.000
## m_community 55	0.050	0.000	0.038	0.000
## m_community 56	0.100	0.000	0.013	0.000
## m_community 57	0.205	0.051	0.000	0.000
## m_community 58	0.434	0.286	0.156	0.000
## m_community 59	0.000	0.050	0.000	0.000
## m_community 60	0.068	0.013	0.000	0.000
## m_community 61	0.143	0.222	0.000	0.000
## m_community 62	0.107	0.000	0.050	0.000
## m_community 63	0.095	0.222	0.133	0.000
## m_community 64	0.136	0.051	0.000	0.000
## m_community 65	0.000	0.150	0.068	0.000
## m_community 66	0.000	0.714	0.750	0.000
##	m_community 25	m_community 26	m_community 27	m_community 28
## m_community 1	0.214	0.246	0.150	0.200
## m_community 2	0.714	0.205	0.020	0.027
## m_community 3	0.000	0.246	0.075	0.133
## m_community 4	0.789	0.031	0.214	0.156
## m_community 5	0.000	0.413	0.346	0.333
## m_community 6	0.714	0.091	0.020	0.055
## m_community 7	0.429	0.369	0.225	0.200
## m_community 8	0.400	0.009	0.044	0.143
## m_community 9	0.278	0.143	0.063	0.050
## m_community 10	0.692	0.114	0.000	0.029
## m_community 11	0.556	0.286	0.159	0.076
## m_community 12	0.000	0.043	0.033	0.083
## m_community 13	0.333	0.510	0.350	0.321

## m_community 14	0.333	0.510	0.233	0.214
## m_community 15	0.000	0.000	0.000	0.000
## m_community 16	0.000	0.056	0.020	0.056
## m_community 17	0.733	0.054	0.023	0.078
## m_community 18	0.000	0.000	0.233	0.000
## m_community 19	0.100	0.250	0.190	0.179
## m_community 20	0.214	0.246	0.150	0.133
## m_community 21	0.167	0.340	0.467	0.214
## m_community 22	0.250	0.278	0.196	0.083
## m_community 23	0.556	0.286	0.095	0.151
## m_community 24	0.429	0.369	0.300	0.133
## m_community 25	NA	0.826	0.692	0.667
## m_community 26	0.826	NA	0.114	0.142
## m_community 27	0.692	0.114	NA	0.014
## m_community 28	0.667	0.142	0.014	NA
## m_community 29	0.167	0.340	0.233	0.321
## m_community 30	0.300	0.280	0.079	0.028
## m_community 31	0.852	0.021	0.354	0.386
## m_community 32	0.875	0.034	0.253	0.400
## m_community 33	0.800	0.017	0.132	0.171
## m_community 34	0.429	0.369	0.300	0.200
## m_community 35	0.879	0.037	0.216	0.359
## m_community 36	0.733	0.072	0.030	0.052
## m_community 37	0.667	0.142	0.019	0.000
## m_community 38	0.778	0.034	0.084	0.138
## m_community 39	0.278	0.214	0.063	0.050
## m_community 40	0.278	0.143	0.063	0.101
## m_community 41	0.810	0.018	0.121	0.217
## m_community 42	0.346	0.057	0.000	0.024
## m_community 43	0.556	0.214	0.127	0.126
## m_community 44	0.714	0.091	0.020	0.055
## m_community 45	0.167	0.340	0.233	0.214
## m_community 46	0.429	0.492	0.300	0.200
## m_community 47	0.000	0.071	0.010	0.000
## m_community 48	0.000	0.106	0.019	0.000
## m_community 49	0.000	0.068	0.016	0.018
## m_community 50	0.000	0.185	0.196	0.083
## m_community 51	0.000	0.250	0.381	0.000

## m_community 52	0.000	0.000	0.000	0.078
## m_community 53	0.000	0.000	0.000	0.018
## m_community 54	0.000	0.413	0.692	0.333
## m_community 55	0.000	0.185	0.049	0.208
## m_community 56	0.000	0.093	0.098	0.167
## m_community 57	0.000	0.143	0.159	0.076
## m_community 58	0.000	0.022	0.098	0.100
## m_community 59	0.000	0.170	0.233	0.214
## m_community 60	0.000	0.143	0.032	0.076
## m_community 61	0.000	0.250	0.571	0.179
## m_community 62	0.000	0.035	0.005	0.000
## m_community 63	0.000	0.000	0.381	0.179
## m_community 64	0.000	0.071	0.127	0.076
## m_community 65	0.000	0.000	0.350	0.107
## m_community 66	0.000	0.909	0.000	0.818
##	m_community 29	m_community 30	m_community 31	m_community 32
## m_community 1	0.056	0.046	0.400	0.429
## m_community 2	0.250	0.100	0.146	0.179
## m_community 3	0.056	0.046	0.400	0.286
## m_community 4	0.619	0.225	0.157	0.146
## m_community 5	0.167	0.300	0.426	0.438
## m_community 6	0.375	0.025	0.234	0.286
## m_community 7	0.056	0.046	0.400	0.429
## m_community 8	0.636	0.048	0.109	0.208
## m_community 9	0.205	0.010	0.241	0.266
## m_community 10	0.467	0.020	0.354	0.421
## m_community 11	0.136	0.010	0.402	0.444
## m_community 12	0.417	0.136	0.181	0.208
## m_community 13	0.000	0.083	0.543	0.574
## m_community 14	0.000	0.167	0.362	0.382
## m_community 15	0.000	0.000	0.000	0.000
## m_community 16	0.167	0.000	0.258	0.289
## m_community 17	0.529	0.030	0.267	0.365
## m_community 18	0.000	0.167	0.362	0.191
## m_community 19	0.048	0.152	0.262	0.273
## m_community 20	0.056	0.046	0.267	0.286
## m_community 21	0.000	0.250	0.724	0.574
## m_community 22	0.050	0.143	0.511	0.222

## m_community 23	0.136	0.019	0.482	0.444
## m_community 24	0.028	0.046	0.533	0.571
## m_community 25	0.167	0.300	0.852	0.875
## m_community 26	0.340	0.280	0.021	0.034
## m_community 27	0.233	0.079	0.354	0.253
## m_community 28	0.321	0.028	0.386	0.400
## m_community 29	NA	0.083	0.724	0.765
## m_community 30	0.083	NA	0.322	0.145
## m_community 31	0.724	0.322	NA	0.069
## m_community 32	0.765	0.145	0.069	NA
## m_community 33	0.636	0.096	0.127	0.236
## m_community 34	0.028	0.185	0.667	0.429
## m_community 35	0.771	0.074	0.069	0.014
## m_community 36	0.265	0.060	0.146	0.152
## m_community 37	0.321	0.014	0.386	0.500
## m_community 38	0.600	0.042	0.165	0.228
## m_community 39	0.205	0.019	0.482	0.533
## m_community 40	0.205	0.010	0.562	0.622
## m_community 41	0.652	0.204	0.100	0.165
## m_community 42	0.467	0.020	0.389	0.463
## m_community 43	0.136	0.010	0.562	0.622
## m_community 44	0.500	0.025	0.351	0.429
## m_community 45	0.000	0.083	0.724	0.765
## m_community 46	0.083	0.046	0.667	0.714
## m_community 47	0.321	0.028	0.386	0.450
## m_community 48	0.321	0.069	0.300	0.250
## m_community 49	0.375	0.125	0.205	0.179
## m_community 50	0.050	0.095	0.511	0.333
## m_community 51	0.000	0.455	0.524	0.273
## m_community 52	0.155	0.000	0.067	0.244
## m_community 53	0.096	0.000	0.314	0.479
## m_community 54	0.167	0.300	0.852	0.875
## m_community 55	0.100	0.024	0.613	0.556
## m_community 56	0.100	0.024	0.613	0.667
## m_community 57	0.136	0.038	0.562	0.266
## m_community 58	0.434	0.152	0.200	0.156
## m_community 59	0.000	0.083	0.724	0.765
## m_community 60	0.136	0.010	0.562	0.533

## m_community 61	0.048	0.303	0.786	0.545
## m_community 62	0.321	0.000	0.386	0.500
## m_community 63	0.048	0.303	0.786	0.545
## m_community 64	0.068	0.038	0.482	0.178
## m_community 65	0.000	0.250	0.724	0.382
## m_community 66	0.000	0.778	0.923	0.000
##	m_community 33	m_community 34	m_community 35	m_community 36
## m_community 1	0.226	0.000	0.433	0.089
## m_community 2	0.100	0.165	0.221	0.017
## m_community 3	0.226	0.000	0.289	0.089
## m_community 4	0.017	0.545	0.154	0.072
## m_community 5	0.400	0.214	0.439	0.367
## m_community 6	0.150	0.165	0.368	0.023
## m_community 7	0.339	0.000	0.433	0.178
## m_community 8	0.000	0.113	0.221	0.025
## m_community 9	0.189	0.033	0.271	0.043
## m_community 10	0.219	0.150	0.433	0.038
## m_community 11	0.377	0.067	0.541	0.214
## m_community 12	0.054	0.189	0.162	0.003
## m_community 13	0.477	0.056	0.579	0.265
## m_community 14	0.318	0.056	0.386	0.265
## m_community 15	0.000	0.000	0.000	0.000
## m_community 16	0.192	0.000	0.295	0.030
## m_community 17	0.149	0.178	0.378	0.000
## m_community 18	0.159	0.056	0.000	0.000
## m_community 19	0.238	0.083	0.275	0.208
## m_community 20	0.226	0.000	0.289	0.089
## m_community 21	0.477	0.083	0.386	0.132
## m_community 22	0.167	0.073	0.113	0.123
## m_community 23	0.314	0.100	0.451	0.214
## m_community 24	0.565	0.000	0.722	0.444
## m_community 25	0.800	0.429	0.879	0.733
## m_community 26	0.017	0.369	0.037	0.072
## m_community 27	0.132	0.300	0.216	0.030
## m_community 28	0.171	0.200	0.359	0.052
## m_community 29	0.636	0.028	0.771	0.265
## m_community 30	0.096	0.185	0.074	0.060
## m_community 31	0.127	0.667	0.069	0.146

## m_community 32	0.236	0.429	0.014	0.152
## m_community 33	NA	0.339	0.251	0.074
## m_community 34	0.339	NA	0.289	0.267
## m_community 35	0.251	0.289	NA	0.220
## m_community 36	0.074	0.267	0.220	NA
## m_community 37	0.171	0.133	0.512	0.039
## m_community 38	0.040	0.210	0.279	0.072
## m_community 39	0.251	0.033	0.541	0.043
## m_community 40	0.251	0.033	0.541	0.043
## m_community 41	0.017	0.350	0.202	0.087
## m_community 42	0.197	0.075	0.476	0.015
## m_community 43	0.440	0.067	0.632	0.214
## m_community 44	0.200	0.165	0.442	0.017
## m_community 45	0.636	0.028	0.771	0.132
## m_community 46	0.565	0.000	0.722	0.267
## m_community 47	0.257	0.067	0.410	0.013
## m_community 48	0.143	0.133	0.205	0.013
## m_community 49	0.083	0.165	0.147	0.003
## m_community 50	0.167	0.036	0.225	0.000
## m_community 51	0.238	0.167	0.000	0.000
## m_community 52	0.015	0.000	0.257	0.010
## m_community 53	0.296	0.000	0.489	0.020
## m_community 54	0.800	0.214	0.439	0.000
## m_community 55	0.417	0.018	0.563	0.123
## m_community 56	0.250	0.018	0.338	0.061
## m_community 57	0.189	0.100	0.180	0.086
## m_community 58	0.042	0.300	0.139	0.011
## m_community 59	0.477	0.028	0.579	0.000
## m_community 60	0.189	0.033	0.541	0.043
## m_community 61	0.476	0.167	0.275	0.000
## m_community 62	0.200	0.000	0.512	0.013
## m_community 63	0.476	0.167	0.275	0.208
## m_community 64	0.126	0.100	0.090	0.086
## m_community 65	0.318	0.056	0.193	0.132
## m_community 66	0.000	0.667	0.000	0.857
##	m_community 37	m_community 38	m_community 39	m_community 40
## m_community 1	0.200	0.210	0.067	0.100
## m_community 2	0.036	0.071	0.113	0.075

## m_community 3	0.133	0.210	0.067	0.067
## m_community 4	0.130	0.017	0.179	0.179
## m_community 5	0.333	0.389	0.278	0.278
## m_community 6	0.036	0.119	0.075	0.075
## m_community 7	0.200	0.314	0.067	0.067
## m_community 8	0.171	0.033	0.377	0.314
## m_community 9	0.076	0.168	0.000	0.000
## m_community 10	0.024	0.152	0.095	0.095
## m_community 11	0.101	0.335	0.000	0.000
## m_community 12	0.067	0.024	0.190	0.238
## m_community 13	0.321	0.450	0.136	0.136
## m_community 14	0.214	0.300	0.136	0.068
## m_community 15	0.000	0.000	0.000	0.000
## m_community 16	0.014	0.167	0.010	0.010
## m_community 17	0.065	0.064	0.171	0.171
## m_community 18	0.000	0.000	0.000	0.000
## m_community 19	0.179	0.228	0.133	0.133
## m_community 20	0.133	0.210	0.067	0.067
## m_community 21	0.214	0.300	0.136	0.136
## m_community 22	0.042	0.076	0.026	0.013
## m_community 23	0.076	0.280	0.000	0.000
## m_community 24	0.200	0.524	0.033	0.033
## m_community 25	0.667	0.778	0.278	0.278
## m_community 26	0.142	0.034	0.214	0.143
## m_community 27	0.019	0.084	0.063	0.063
## m_community 28	0.000	0.138	0.050	0.101
## m_community 29	0.321	0.600	0.205	0.205
## m_community 30	0.014	0.042	0.019	0.010
## m_community 31	0.386	0.165	0.482	0.562
## m_community 32	0.500	0.228	0.533	0.622
## m_community 33	0.171	0.040	0.251	0.251
## m_community 34	0.133	0.210	0.033	0.033
## m_community 35	0.512	0.279	0.541	0.541
## m_community 36	0.039	0.072	0.043	0.043
## m_community 37	NA	0.185	0.151	0.151
## m_community 38	0.185	NA	0.335	0.280
## m_community 39	0.151	0.335	NA	0.000
## m_community 40	0.151	0.280	0.000	NA

## m_community 41	0.279	0.064	0.462	0.330
## m_community 42	0.029	0.152	0.190	0.159
## m_community 43	0.076	0.391	0.000	0.000
## m_community 44	0.045	0.107	0.113	0.113
## m_community 45	0.429	0.600	0.273	0.273
## m_community 46	0.333	0.524	0.100	0.100
## m_community 47	0.000	0.138	0.101	0.076
## m_community 48	0.000	0.092	0.076	0.050
## m_community 49	0.027	0.048	0.150	0.113
## m_community 50	0.083	0.076	0.026	0.026
## m_community 51	0.000	0.000	0.133	0.000
## m_community 52	0.000	0.006	0.000	0.000
## m_community 53	0.000	0.093	0.000	0.000
## m_community 54	0.333	0.389	0.278	0.278
## m_community 55	0.042	0.303	0.013	0.013
## m_community 56	0.083	0.152	0.013	0.038
## m_community 57	0.025	0.112	0.000	0.000
## m_community 58	0.040	0.011	0.104	0.104
## m_community 59	0.321	0.300	0.136	0.205
## m_community 60	0.151	0.280	0.000	0.000
## m_community 61	0.179	0.228	0.133	0.133
## m_community 62	0.000	0.185	0.126	0.101
## m_community 63	0.000	0.228	0.000	0.000
## m_community 64	0.000	0.056	0.000	0.000
## m_community 65	0.000	0.150	0.000	0.000
## m_community 66	0.000	0.000	0.000	0.000
##	m_community 41	m_community 42	m_community 43	m_community 44
## m_community 1	0.233	0.150	0.033	0.165
## m_community 2	0.132	0.008	0.150	0.000
## m_community 3	0.350	0.150	0.000	0.165
## m_community 4	0.029	0.097	0.357	0.115
## m_community 5	0.405	0.346	0.278	0.357
## m_community 6	0.151	0.020	0.263	0.000
## m_community 7	0.350	0.150	0.067	0.247
## m_community 8	0.015	0.241	0.251	0.150
## m_community 9	0.198	0.095	0.000	0.113
## m_community 10	0.242	0.000	0.222	0.040
## m_community 11	0.330	0.063	0.000	0.188

## m_community 12	0.076	0.055	0.095	0.026
## m_community 13	0.489	0.233	0.136	0.375
## m_community 14	0.489	0.117	0.136	0.250
## m_community 15	0.000	0.000	0.000	0.000
## m_community 16	0.204	0.079	0.029	0.100
## m_community 17	0.130	0.068	0.214	0.033
## m_community 18	0.000	0.000	0.000	0.000
## m_community 19	0.242	0.190	0.133	0.200
## m_community 20	0.233	0.150	0.033	0.165
## m_community 21	0.326	0.233	0.068	0.250
## m_community 22	0.260	0.049	0.013	0.056
## m_community 23	0.396	0.095	0.000	0.188
## m_community 24	0.467	0.075	0.133	0.329
## m_community 25	0.810	0.346	0.556	0.714
## m_community 26	0.018	0.057	0.214	0.091
## m_community 27	0.121	0.000	0.127	0.020
## m_community 28	0.217	0.024	0.126	0.055
## m_community 29	0.652	0.467	0.136	0.500
## m_community 30	0.204	0.020	0.010	0.025
## m_community 31	0.100	0.389	0.562	0.351
## m_community 32	0.165	0.463	0.622	0.429
## m_community 33	0.017	0.197	0.440	0.200
## m_community 34	0.350	0.075	0.067	0.165
## m_community 35	0.202	0.476	0.632	0.442
## m_community 36	0.087	0.015	0.214	0.017
## m_community 37	0.279	0.029	0.076	0.045
## m_community 38	0.064	0.152	0.391	0.107
## m_community 39	0.462	0.190	0.000	0.113
## m_community 40	0.330	0.159	0.000	0.113
## m_community 41	NA	0.242	0.462	0.188
## m_community 42	0.242	NA	0.127	0.032
## m_community 43	0.462	0.127	NA	0.263
## m_community 44	0.188	0.032	0.263	NA
## m_community 45	0.652	0.467	0.068	0.375
## m_community 46	0.583	0.225	0.100	0.412
## m_community 47	0.248	0.038	0.076	0.064
## m_community 48	0.186	0.019	0.050	0.036
## m_community 49	0.113	0.016	0.038	0.000

## m_community 50	0.173	0.049	0.000	0.056
## m_community 51	0.242	0.000	0.000	0.000
## m_community 52	0.013	0.097	0.179	0.086
## m_community 53	0.159	0.056	0.054	0.095
## m_community 54	0.405	0.346	0.000	0.357
## m_community 55	0.520	0.245	0.038	0.278
## m_community 56	0.173	0.098	0.013	0.111
## m_community 57	0.198	0.063	0.000	0.075
## m_community 58	0.055	0.084	0.156	0.056
## m_community 59	0.326	0.233	0.000	0.250
## m_community 60	0.396	0.159	0.000	0.075
## m_community 61	0.242	0.190	0.000	0.200
## m_community 62	0.310	0.043	0.076	0.055
## m_community 63	0.242	0.190	0.133	0.200
## m_community 64	0.132	0.032	0.000	0.038
## m_community 65	0.163	0.117	0.068	0.125
## m_community 66	0.900	0.000	0.000	0.000
##	m_community 45	m_community 46	m_community 47	m_community 48
## m_community 1	0.056	0.000	0.067	0.067
## m_community 2	0.250	0.329	0.018	0.027
## m_community 3	0.056	0.000	0.133	0.133
## m_community 4	0.464	0.545	0.130	0.181
## m_community 5	0.167	0.214	0.000	0.000
## m_community 6	0.250	0.329	0.036	0.027
## m_community 7	0.056	0.000	0.067	0.067
## m_community 8	0.636	0.339	0.229	0.143
## m_community 9	0.205	0.100	0.050	0.050
## m_community 10	0.350	0.375	0.029	0.019
## m_community 11	0.136	0.133	0.025	0.025
## m_community 12	0.417	0.189	0.117	0.150
## m_community 13	0.000	0.083	0.107	0.107
## m_community 14	0.000	0.056	0.107	0.107
## m_community 15	0.000	0.000	0.000	0.000
## m_community 16	0.083	0.046	0.056	0.042
## m_community 17	0.529	0.356	0.104	0.052
## m_community 18	0.000	0.000	0.107	0.321
## m_community 19	0.048	0.083	0.000	0.000
## m_community 20	0.056	0.000	0.067	0.133

## m_community 21	0.000	0.056	0.214	0.321
## m_community 22	0.050	0.018	0.083	0.167
## m_community 23	0.068	0.100	0.050	0.050
## m_community 24	0.028	0.000	0.000	0.000
## m_community 25	0.167	0.429	0.000	0.000
## m_community 26	0.340	0.492	0.071	0.106
## m_community 27	0.233	0.300	0.010	0.019
## m_community 28	0.214	0.200	0.000	0.000
## m_community 29	0.000	0.083	0.321	0.321
## m_community 30	0.083	0.046	0.028	0.069
## m_community 31	0.724	0.667	0.386	0.300
## m_community 32	0.765	0.714	0.450	0.250
## m_community 33	0.636	0.565	0.257	0.143
## m_community 34	0.028	0.000	0.067	0.133
## m_community 35	0.771	0.722	0.410	0.205
## m_community 36	0.132	0.267	0.013	0.013
## m_community 37	0.429	0.333	0.000	0.000
## m_community 38	0.600	0.524	0.138	0.092
## m_community 39	0.273	0.100	0.101	0.076
## m_community 40	0.273	0.100	0.076	0.050
## m_community 41	0.652	0.583	0.248	0.186
## m_community 42	0.467	0.225	0.038	0.019
## m_community 43	0.068	0.100	0.076	0.050
## m_community 44	0.375	0.412	0.064	0.036
## m_community 45	NA	0.083	0.321	0.214
## m_community 46	0.083	NA	0.133	0.133
## m_community 47	0.321	0.133	NA	0.000
## m_community 48	0.214	0.133	0.000	NA
## m_community 49	0.375	0.165	0.055	0.073
## m_community 50	0.050	0.018	0.125	0.208
## m_community 51	0.000	0.000	0.359	0.538
## m_community 52	0.000	0.000	0.130	0.078
## m_community 53	0.000	0.000	0.029	0.018
## m_community 54	0.167	0.214	0.667	0.667
## m_community 55	0.050	0.018	0.208	0.125
## m_community 56	0.050	0.018	0.125	0.125
## m_community 57	0.068	0.033	0.076	0.126
## m_community 58	0.289	0.200	0.140	0.140

## m_community 59	0.000	0.056	0.321	0.321
## m_community 60	0.205	0.067	0.076	0.050
## m_community 61	0.048	0.083	0.359	0.538
## m_community 62	0.321	0.133	0.000	0.000
## m_community 63	0.000	0.000	0.359	0.538
## m_community 64	0.000	0.000	0.050	0.101
## m_community 65	0.000	0.000	0.214	0.429
## m_community 66	0.000	0.000	0.000	0.000
##	m_community 49	m_community 50	m_community 51	m_community 52
## m_community 1	0.082	0.036	0.000	0.000
## m_community 2	0.000	0.111	0.200	0.000
## m_community 3	0.165	0.018	0.000	0.000
## m_community 4	0.086	0.319	0.467	0.000
## m_community 5	0.000	0.000	0.000	0.000
## m_community 6	0.000	0.056	0.000	0.043
## m_community 7	0.082	0.018	0.000	0.000
## m_community 8	0.067	0.083	0.000	0.018
## m_community 9	0.075	0.013	0.000	0.000
## m_community 10	0.012	0.049	0.000	0.078
## m_community 11	0.038	0.013	0.000	0.000
## m_community 12	0.058	0.333	0.647	0.021
## m_community 13	0.125	0.050	0.000	0.000
## m_community 14	0.125	0.050	0.048	0.000
## m_community 15	0.000	0.000	0.000	0.000
## m_community 16	0.125	0.024	0.000	0.135
## m_community 17	0.013	0.061	0.000	0.072
## m_community 18	0.250	0.100	0.095	0.155
## m_community 19	0.000	0.000	0.000	0.000
## m_community 20	0.082	0.018	0.000	0.218
## m_community 21	0.375	0.150	0.095	0.000
## m_community 22	0.222	0.000	0.333	0.000
## m_community 23	0.038	0.000	0.000	0.119
## m_community 24	0.000	0.000	0.000	0.000
## m_community 25	0.000	0.000	0.000	0.000
## m_community 26	0.068	0.185	0.250	0.000
## m_community 27	0.016	0.196	0.381	0.000
## m_community 28	0.018	0.083	0.000	0.078
## m_community 29	0.375	0.050	0.000	0.155

## m_community 30	0.125	0.095	0.455	0.000
## m_community 31	0.205	0.511	0.524	0.067
## m_community 32	0.179	0.333	0.273	0.244
## m_community 33	0.083	0.167	0.238	0.015
## m_community 34	0.165	0.036	0.167	0.000
## m_community 35	0.147	0.225	0.000	0.257
## m_community 36	0.003	0.000	0.000	0.010
## m_community 37	0.027	0.083	0.000	0.000
## m_community 38	0.048	0.076	0.000	0.006
## m_community 39	0.150	0.026	0.133	0.000
## m_community 40	0.113	0.026	0.000	0.000
## m_community 41	0.113	0.173	0.242	0.013
## m_community 42	0.016	0.049	0.000	0.097
## m_community 43	0.038	0.000	0.000	0.179
## m_community 44	0.000	0.056	0.000	0.086
## m_community 45	0.375	0.050	0.000	0.000
## m_community 46	0.165	0.018	0.000	0.000
## m_community 47	0.055	0.125	0.359	0.130
## m_community 48	0.073	0.208	0.538	0.078
## m_community 49	NA	0.278	0.600	0.014
## m_community 50	0.278	NA	0.333	0.000
## m_community 51	0.600	0.333	NA	0.000
## m_community 52	0.014	0.000	0.000	NA
## m_community 53	0.016	0.000	0.000	0.308
## m_community 54	0.714	0.500	0.100	0.000
## m_community 55	0.111	0.000	0.000	0.319
## m_community 56	0.167	0.000	0.111	0.080
## m_community 57	0.188	0.051	0.267	0.060
## m_community 58	0.056	0.286	0.444	0.017
## m_community 59	0.375	0.150	0.048	0.000
## m_community 60	0.113	0.026	0.000	0.000
## m_community 61	0.600	0.333	0.000	0.000
## m_community 62	0.036	0.042	0.000	0.104
## m_community 63	0.600	0.222	0.000	0.233
## m_community 64	0.150	0.038	0.267	0.060
## m_community 65	0.500	0.150	0.095	0.155
## m_community 66	0.000	0.000	0.000	0.000
##	m_community 53	m_community 54	m_community 55	m_community 56

## m_community 1	0.000	0.214	0.018	0.036
## m_community 2	0.000	0.357	0.056	0.056
## m_community 3	0.000	0.214	0.036	0.018
## m_community 4	0.068	0.789	0.319	0.239
## m_community 5	0.000	0.000	0.000	0.000
## m_community 6	0.048	0.357	0.222	0.111
## m_community 7	0.000	0.214	0.018	0.018
## m_community 8	0.333	0.400	0.417	0.167
## m_community 9	0.000	0.278	0.013	0.013
## m_community 10	0.044	0.346	0.245	0.098
## m_community 11	0.000	0.278	0.013	0.013
## m_community 12	0.072	0.750	0.200	0.333
## m_community 13	0.000	0.167	0.050	0.050
## m_community 14	0.000	0.000	0.000	0.000
## m_community 15	0.000	0.000	0.000	0.000
## m_community 16	0.022	0.300	0.095	0.048
## m_community 17	0.141	0.367	0.307	0.123
## m_community 18	0.096	0.167	0.000	0.050
## m_community 19	0.000	0.000	0.000	0.000
## m_community 20	0.057	0.214	0.018	0.018
## m_community 21	0.000	0.333	0.050	0.100
## m_community 22	0.000	0.250	0.000	0.000
## m_community 23	0.036	0.000	0.038	0.013
## m_community 24	0.000	0.000	0.000	0.000
## m_community 25	0.000	0.000	0.000	0.000
## m_community 26	0.000	0.413	0.185	0.093
## m_community 27	0.000	0.692	0.049	0.098
## m_community 28	0.018	0.333	0.208	0.167
## m_community 29	0.096	0.167	0.100	0.100
## m_community 30	0.000	0.300	0.024	0.024
## m_community 31	0.314	0.852	0.613	0.613
## m_community 32	0.479	0.875	0.556	0.667
## m_community 33	0.296	0.800	0.417	0.250
## m_community 34	0.000	0.214	0.018	0.018
## m_community 35	0.489	0.439	0.563	0.338
## m_community 36	0.020	0.000	0.123	0.061
## m_community 37	0.000	0.333	0.042	0.083
## m_community 38	0.093	0.389	0.303	0.152

## m_community 39	0.000	0.278	0.013	0.013
## m_community 40	0.000	0.278	0.013	0.038
## m_community 41	0.159	0.405	0.520	0.173
## m_community 42	0.056	0.346	0.245	0.098
## m_community 43	0.054	0.000	0.038	0.013
## m_community 44	0.095	0.357	0.278	0.111
## m_community 45	0.000	0.167	0.050	0.050
## m_community 46	0.000	0.214	0.018	0.018
## m_community 47	0.029	0.667	0.208	0.125
## m_community 48	0.018	0.667	0.125	0.125
## m_community 49	0.016	0.714	0.111	0.167
## m_community 50	0.000	0.500	0.000	0.000
## m_community 51	0.000	0.100	0.000	0.111
## m_community 52	0.308	0.000	0.319	0.080
## m_community 53	NA	0.000	0.133	0.033
## m_community 54	0.000	NA	0.250	0.500
## m_community 55	0.133	0.250	NA	0.000
## m_community 56	0.033	0.500	0.000	NA
## m_community 57	0.018	0.556	0.038	0.038
## m_community 58	0.111	0.765	0.429	0.214
## m_community 59	0.000	0.333	0.050	0.150
## m_community 60	0.000	0.278	0.026	0.026
## m_community 61	0.000	0.200	0.111	0.222
## m_community 62	0.023	0.333	0.208	0.083
## m_community 63	0.167	0.100	0.111	0.222
## m_community 64	0.018	0.278	0.026	0.026
## m_community 65	0.096	0.167	0.050	0.100
## m_community 66	0.000	0.000	0.714	0.000
##	m_community 57	m_community 58	m_community 59	m_community 60
## m_community 1	0.033	0.100	0.056	0.067
## m_community 2	0.038	0.009	0.125	0.038
## m_community 3	0.067	0.300	0.056	0.100
## m_community 4	0.417	0.046	0.464	0.179
## m_community 5	0.000	0.000	0.000	0.000
## m_community 6	0.075	0.037	0.125	0.038
## m_community 7	0.033	0.100	0.028	0.033
## m_community 8	0.126	0.036	0.318	0.314
## m_community 9	0.000	0.104	0.136	0.000

## m_community 10	0.063	0.084	0.233	0.063
## m_community 11	0.000	0.052	0.068	0.000
## m_community 12	0.190	0.015	0.556	0.190
## m_community 13	0.068	0.145	0.000	0.068
## m_community 14	0.000	0.000	0.000	0.000
## m_community 15	0.000	0.000	0.000	0.000
## m_community 16	0.019	0.152	0.083	0.010
## m_community 17	0.086	0.033	0.265	0.129
## m_community 18	0.136	0.289	0.000	0.000
## m_community 19	0.000	0.000	0.000	0.000
## m_community 20	0.033	0.100	0.028	0.033
## m_community 21	0.205	0.434	0.000	0.068
## m_community 22	0.051	0.286	0.050	0.013
## m_community 23	0.000	0.156	0.000	0.000
## m_community 24	0.000	0.000	0.000	0.000
## m_community 25	0.000	0.000	0.000	0.000
## m_community 26	0.143	0.022	0.170	0.143
## m_community 27	0.159	0.098	0.233	0.032
## m_community 28	0.076	0.100	0.214	0.076
## m_community 29	0.136	0.434	0.000	0.136
## m_community 30	0.038	0.152	0.083	0.010
## m_community 31	0.562	0.200	0.724	0.562
## m_community 32	0.266	0.156	0.765	0.533
## m_community 33	0.189	0.042	0.477	0.189
## m_community 34	0.100	0.300	0.028	0.033
## m_community 35	0.180	0.139	0.579	0.541
## m_community 36	0.086	0.011	0.000	0.043
## m_community 37	0.025	0.040	0.321	0.151
## m_community 38	0.112	0.011	0.300	0.280
## m_community 39	0.000	0.104	0.136	0.000
## m_community 40	0.000	0.104	0.205	0.000
## m_community 41	0.198	0.055	0.326	0.396
## m_community 42	0.063	0.084	0.233	0.159
## m_community 43	0.000	0.156	0.000	0.000
## m_community 44	0.075	0.056	0.250	0.075
## m_community 45	0.068	0.289	0.000	0.205
## m_community 46	0.033	0.200	0.056	0.067
## m_community 47	0.076	0.140	0.321	0.076

## m_community 48	0.126	0.140	0.321	0.050
## m_community 49	0.188	0.056	0.375	0.113
## m_community 50	0.051	0.286	0.150	0.026
## m_community 51	0.267	0.444	0.048	0.000
## m_community 52	0.060	0.017	0.000	0.000
## m_community 53	0.018	0.111	0.000	0.000
## m_community 54	0.556	0.765	0.333	0.278
## m_community 55	0.038	0.429	0.050	0.026
## m_community 56	0.038	0.214	0.150	0.026
## m_community 57	NA	0.364	0.136	0.000
## m_community 58	0.364	NA	0.434	0.156
## m_community 59	0.136	0.434	NA	0.205
## m_community 60	0.000	0.156	0.205	NA
## m_community 61	0.400	0.667	0.095	0.133
## m_community 62	0.050	0.120	0.214	0.126
## m_community 63	0.400	0.667	0.048	0.000
## m_community 64	0.000	0.312	0.068	0.000
## m_community 65	0.273	0.579	0.000	0.000
## m_community 66	0.750	0.875	0.000	0.750
##	m_community 61	m_community 62	m_community 63	m_community 64
## m_community 1	0.083	0.067	0.000	0.000
## m_community 2	0.200	0.009	0.000	0.000
## m_community 3	0.083	0.133	0.000	0.033
## m_community 4	0.700	0.104	0.700	0.357
## m_community 5	0.000	0.000	0.000	0.000
## m_community 6	0.200	0.036	0.200	0.038
## m_community 7	0.083	0.067	0.000	0.000
## m_community 8	0.238	0.257	0.238	0.063
## m_community 9	0.133	0.050	0.000	0.000
## m_community 10	0.190	0.029	0.190	0.032
## m_community 11	0.133	0.025	0.000	0.000
## m_community 12	0.647	0.083	0.647	0.143
## m_community 13	0.048	0.107	0.000	0.000
## m_community 14	0.000	0.000	0.000	0.000
## m_community 15	0.000	0.000	0.000	0.000
## m_community 16	0.152	0.056	0.152	0.010
## m_community 17	0.208	0.091	0.208	0.043
## m_community 18	0.095	0.000	0.095	0.136

## m_community 19	0.000	0.000	0.000	0.000
## m_community 20	0.083	0.067	0.000	0.000
## m_community 21	0.143	0.107	0.095	0.136
## m_community 22	0.222	0.000	0.222	0.051
## m_community 23	0.000	0.050	0.133	0.000
## m_community 24	0.000	0.000	0.000	0.000
## m_community 25	0.000	0.000	0.000	0.000
## m_community 26	0.250	0.035	0.000	0.071
## m_community 27	0.571	0.005	0.381	0.127
## m_community 28	0.179	0.000	0.179	0.076
## m_community 29	0.048	0.321	0.048	0.068
## m_community 30	0.303	0.000	0.303	0.038
## m_community 31	0.786	0.386	0.786	0.482
## m_community 32	0.545	0.500	0.545	0.178
## m_community 33	0.476	0.200	0.476	0.126
## m_community 34	0.167	0.000	0.167	0.100
## m_community 35	0.275	0.512	0.275	0.090
## m_community 36	0.000	0.013	0.208	0.086
## m_community 37	0.179	0.000	0.000	0.000
## m_community 38	0.228	0.185	0.228	0.056
## m_community 39	0.133	0.126	0.000	0.000
## m_community 40	0.133	0.101	0.000	0.000
## m_community 41	0.242	0.310	0.242	0.132
## m_community 42	0.190	0.043	0.190	0.032
## m_community 43	0.000	0.076	0.133	0.000
## m_community 44	0.200	0.055	0.200	0.038
## m_community 45	0.048	0.321	0.000	0.000
## m_community 46	0.083	0.133	0.000	0.000
## m_community 47	0.359	0.000	0.359	0.050
## m_community 48	0.538	0.000	0.538	0.101
## m_community 49	0.600	0.036	0.600	0.150
## m_community 50	0.333	0.042	0.222	0.038
## m_community 51	0.000	0.000	0.000	0.267
## m_community 52	0.000	0.104	0.233	0.060
## m_community 53	0.000	0.023	0.167	0.018
## m_community 54	0.200	0.333	0.100	0.278
## m_community 55	0.111	0.208	0.111	0.026
## m_community 56	0.222	0.083	0.222	0.026

## m_community 57	0.400	0.050	0.400	0.000
## m_community 58	0.667	0.120	0.667	0.312
## m_community 59	0.095	0.214	0.048	0.068
## m_community 60	0.133	0.126	0.000	0.000
## m_community 61	NA	0.179	0.000	0.267
## m_community 62	0.179	NA	0.179	0.025
## m_community 63	0.000	0.179	NA	0.400
## m_community 64	0.267	0.025	0.400	NA
## m_community 65	0.095	0.107	0.143	0.273
## m_community 66	0.000	0.000	0.000	0.750
##	m_community 65	m_community 66		
## m_community 1	0.000	0.000		
## m_community 2	0.000	0.000		
## m_community 3	0.000	0.667		
## m_community 4	0.619	0.889		
## m_community 5	0.000	0.000		
## m_community 6	0.125	0.000		
## m_community 7	0.000	0.000		
## m_community 8	0.159	0.000		
## m_community 9	0.000	0.000		
## m_community 10	0.117	0.000		
## m_community 11	0.000	0.000		
## m_community 12	0.417	0.000		
## m_community 13	0.000	0.000		
## m_community 14	0.000	0.000		
## m_community 15	0.000	0.000		
## m_community 16	0.083	0.000		
## m_community 17	0.132	0.000		
## m_community 18	0.000	0.000		
## m_community 19	0.000	0.000		
## m_community 20	0.000	0.000		
## m_community 21	0.000	0.000		
## m_community 22	0.150	0.714		
## m_community 23	0.068	0.750		
## m_community 24	0.000	0.000		
## m_community 25	0.000	0.000		
## m_community 26	0.000	0.909		
## m_community 27	0.350	0.000		

## m_community 28	0.107	0.818
## m_community 29	0.000	0.000
## m_community 30	0.250	0.778
## m_community 31	0.724	0.923
## m_community 32	0.382	0.000
## m_community 33	0.318	0.000
## m_community 34	0.056	0.667
## m_community 35	0.193	0.000
## m_community 36	0.132	0.857
## m_community 37	0.000	0.000
## m_community 38	0.150	0.000
## m_community 39	0.000	0.000
## m_community 40	0.000	0.000
## m_community 41	0.163	0.900
## m_community 42	0.117	0.000
## m_community 43	0.068	0.000
## m_community 44	0.125	0.000
## m_community 45	0.000	0.000
## m_community 46	0.000	0.000
## m_community 47	0.214	0.000
## m_community 48	0.429	0.000
## m_community 49	0.500	0.000
## m_community 50	0.150	0.000
## m_community 51	0.095	0.000
## m_community 52	0.155	0.000
## m_community 53	0.096	0.000
## m_community 54	0.167	0.000
## m_community 55	0.050	0.714
## m_community 56	0.100	0.000
## m_community 57	0.273	0.750
## m_community 58	0.579	0.875
## m_community 59	0.000	0.000
## m_community 60	0.000	0.750
## m_community 61	0.095	0.000
## m_community 62	0.107	0.000
## m_community 63	0.143	0.000
## m_community 64	0.273	0.750
## m_community 65	NA	0.000

```
## m_community 66          0.000          NA
##
## $bray.bal
##      m_community 1 m_community 2 m_community 3 m_community 4
## m_community 1      NA          0.400          0.600          0.400
## m_community 2      0.400          NA          0.600          0.417
## m_community 3      0.600          0.600          NA          0.200
## m_community 4      0.400          0.417          0.200          NA
## m_community 5      0.000          0.000          0.500          0.000
## m_community 6      0.400          0.417          0.400          0.250
## m_community 7      0.200          0.200          0.600          0.200
## m_community 8      0.400          0.750          0.400          0.647
## m_community 9      0.400          0.571          0.200          0.429
## m_community 10     0.400          0.455          0.400          0.182
## m_community 11     0.400          0.000          0.600          0.000
## m_community 12     0.400          0.667          0.400          0.500
## m_community 13     0.250          0.000          0.500          0.000
## m_community 14     0.500          0.000          0.750          0.250
## m_community 15     0.000          0.500          0.500          0.500
## m_community 16     0.600          0.750          0.600          0.500
## m_community 17     0.400          0.667          0.400          0.462
## m_community 18     0.750          0.750          0.750          0.250
## m_community 19     0.333          0.667          1.000          0.667
## m_community 20     0.400          0.600          0.800          0.600
## m_community 21     0.500          0.500          0.750          0.000
## m_community 22     0.800          0.667          0.800          0.167
## m_community 23     0.800          0.571          0.800          0.143
## m_community 24     0.800          0.000          1.000          0.000
## m_community 25     0.500          0.000          1.000          0.000
## m_community 26     0.600          0.250          0.600          0.706
## m_community 27     0.600          0.545          0.800          0.000
## m_community 28     0.400          0.700          0.600          0.400
## m_community 29     0.500          0.500          0.500          0.000
## m_community 30     0.800          0.500          0.800          0.375
## m_community 31     0.400          0.583          0.400          0.176
## m_community 32     0.400          0.583          0.600          0.471
## m_community 33     0.600          0.500          0.600          0.412
## m_community 34     0.800          0.600          0.800          0.000
```

## m_community 35	0.400	0.500	0.600	0.471
## m_community 36	0.800	0.583	0.800	0.462
## m_community 37	0.400	0.600	0.600	0.500
## m_community 38	0.600	0.500	0.600	0.438
## m_community 39	0.600	0.571	0.600	0.571
## m_community 40	0.400	0.714	0.600	0.571
## m_community 41	0.600	0.417	0.400	0.471
## m_community 42	0.600	0.818	0.600	0.545
## m_community 43	0.800	0.429	1.000	0.143
## m_community 44	0.600	0.583	0.600	0.333
## m_community 45	0.500	0.500	0.500	0.250
## m_community 46	0.600	0.200	0.600	0.000
## m_community 47	0.800	0.800	0.600	0.500
## m_community 48	0.800	0.700	0.600	0.300
## m_community 49	0.800	0.750	0.600	0.500
## m_community 50	0.600	0.667	0.800	0.333
## m_community 51	1.000	0.667	1.000	0.333
## m_community 52	1.000	1.000	1.000	0.882
## m_community 53	1.000	1.000	1.000	0.778
## m_community 54	0.500	0.500	0.500	0.000
## m_community 55	0.800	0.833	0.600	0.333
## m_community 56	0.600	0.833	0.800	0.500
## m_community 57	0.800	0.857	0.600	0.000
## m_community 58	0.800	0.917	0.400	0.267
## m_community 59	0.500	0.750	0.500	0.250
## m_community 60	0.600	0.857	0.400	0.571
## m_community 61	0.667	0.667	0.667	0.000
## m_community 62	0.800	0.900	0.600	0.600
## m_community 63	1.000	1.000	1.000	0.000
## m_community 64	1.000	1.000	0.800	0.143
## m_community 65	1.000	1.000	1.000	0.000
## m_community 66	1.000	1.000	0.000	0.000
##	m_community 5	m_community 6	m_community 7	m_community 8
## m_community 1	0.0	0.400	0.200	0.400
## m_community 2	0.0	0.417	0.200	0.750
## m_community 3	0.5	0.400	0.600	0.400
## m_community 4	0.0	0.250	0.200	0.647
## m_community 5	NA	0.000	0.000	0.000

## m_community 6	0.0	NA	0.200	0.500
## m_community 7	0.0	0.200	NA	0.400
## m_community 8	0.0	0.500	0.400	NA
## m_community 9	0.0	0.429	0.400	0.429
## m_community 10	0.0	0.182	0.200	0.273
## m_community 11	0.0	0.000	0.200	0.571
## m_community 12	0.5	0.667	0.600	0.500
## m_community 13	0.0	0.000	0.000	0.250
## m_community 14	0.0	0.250	0.250	0.500
## m_community 15	0.5	0.500	0.000	0.500
## m_community 16	0.5	0.375	0.600	0.375
## m_community 17	0.0	0.417	0.200	0.077
## m_community 18	0.5	0.750	0.750	0.500
## m_community 19	0.5	0.667	0.333	0.667
## m_community 20	0.5	0.600	0.400	0.200
## m_community 21	0.5	0.500	0.500	0.500
## m_community 22	0.5	0.833	0.800	0.833
## m_community 23	0.5	0.286	0.600	0.571
## m_community 24	0.5	0.000	0.600	0.800
## m_community 25	0.5	0.000	0.000	0.500
## m_community 26	0.5	0.667	0.400	0.889
## m_community 27	0.5	0.545	0.400	0.818
## m_community 28	0.5	0.400	0.400	0.500
## m_community 29	0.5	0.250	0.500	0.000
## m_community 30	0.5	0.875	0.800	0.875
## m_community 31	0.5	0.333	0.400	0.333
## m_community 32	0.5	0.333	0.400	0.167
## m_community 33	0.5	0.250	0.400	0.278
## m_community 34	0.5	0.600	0.600	0.800
## m_community 35	0.5	0.167	0.400	0.167
## m_community 36	0.5	0.417	0.600	0.846
## m_community 37	0.5	0.600	0.400	0.400
## m_community 38	0.5	0.167	0.400	0.438
## m_community 39	0.5	0.714	0.600	0.143
## m_community 40	0.5	0.714	0.600	0.286
## m_community 41	0.5	0.333	0.400	0.444
## m_community 42	0.5	0.545	0.600	0.000
## m_community 43	0.5	0.000	0.600	0.429

## m_community 44	0.5	0.333	0.400	0.250
## m_community 45	0.5	0.500	0.500	0.000
## m_community 46	0.5	0.200	0.400	0.400
## m_community 47	1.0	0.600	0.800	0.200
## m_community 48	1.0	0.700	0.800	0.500
## m_community 49	1.0	0.833	0.800	0.667
## m_community 50	1.0	0.833	0.800	0.833
## m_community 51	1.0	1.000	1.000	1.000
## m_community 52	1.0	0.750	1.000	0.353
## m_community 53	1.0	0.667	1.000	0.000
## m_community 54	1.0	0.500	0.500	0.500
## m_community 55	1.0	0.333	0.800	0.167
## m_community 56	1.0	0.667	0.800	0.667
## m_community 57	1.0	0.714	0.800	0.714
## m_community 58	1.0	0.667	0.800	0.600
## m_community 59	1.0	0.750	0.750	0.500
## m_community 60	1.0	0.857	0.800	0.286
## m_community 61	1.0	0.667	0.667	0.667
## m_community 62	1.0	0.600	0.800	0.100
## m_community 63	1.0	0.667	1.000	0.667
## m_community 64	1.0	0.857	1.000	0.857
## m_community 65	1.0	0.750	1.000	0.750
## m_community 66	1.0	1.000	1.000	1.000
##	m_community 9	m_community 10	m_community 11	m_community 12
## m_community 1	0.400	0.400	0.400	0.400
## m_community 2	0.571	0.455	0.000	0.667
## m_community 3	0.200	0.400	0.600	0.400
## m_community 4	0.429	0.182	0.000	0.500
## m_community 5	0.000	0.000	0.000	0.500
## m_community 6	0.429	0.182	0.000	0.667
## m_community 7	0.400	0.200	0.200	0.600
## m_community 8	0.429	0.273	0.571	0.500
## m_community 9	NA	0.429	0.571	0.571
## m_community 10	0.429	NA	0.143	0.545
## m_community 11	0.571	0.143	NA	0.714
## m_community 12	0.571	0.545	0.714	NA
## m_community 13	0.250	0.000	0.000	0.500
## m_community 14	0.500	0.250	0.250	0.500

## m_community 15	0.500	0.500	0.500	0.500
## m_community 16	0.714	0.375	0.714	0.375
## m_community 17	0.429	0.182	0.429	0.538
## m_community 18	0.750	0.750	0.750	0.000
## m_community 19	0.667	0.667	0.667	1.000
## m_community 20	0.600	0.600	0.600	0.600
## m_community 21	0.500	0.500	0.500	0.250
## m_community 22	0.833	0.833	0.833	0.500
## m_community 23	0.857	0.286	0.571	0.714
## m_community 24	0.800	0.200	0.000	1.000
## m_community 25	0.500	0.000	0.000	1.000
## m_community 26	0.714	0.636	0.429	0.786
## m_community 27	0.714	0.545	0.286	0.727
## m_community 28	0.714	0.400	0.571	0.500
## m_community 29	0.250	0.000	0.500	0.250
## m_community 30	0.857	0.875	0.857	0.500
## m_community 31	0.571	0.091	0.286	0.357
## m_community 32	0.571	0.091	0.286	0.429
## m_community 33	0.571	0.091	0.143	0.571
## m_community 34	0.800	0.600	0.600	0.600
## m_community 35	0.571	0.091	0.143	0.571
## m_community 36	0.857	0.545	0.286	0.923
## m_community 37	0.571	0.500	0.429	0.600
## m_community 38	0.571	0.182	0.143	0.643
## m_community 39	0.571	0.571	0.714	0.429
## m_community 40	0.571	0.571	0.714	0.286
## m_community 41	0.571	0.091	0.286	0.500
## m_community 42	0.571	0.364	0.714	0.545
## m_community 43	0.857	0.000	0.429	0.714
## m_community 44	0.571	0.091	0.286	0.667
## m_community 45	0.250	0.250	0.500	0.250
## m_community 46	0.400	0.000	0.200	0.600
## m_community 47	0.714	0.400	0.857	0.300
## m_community 48	0.714	0.600	0.857	0.100
## m_community 49	0.714	0.727	0.857	0.250
## m_community 50	0.833	0.833	0.833	0.167
## m_community 51	1.000	1.000	1.000	0.000
## m_community 52	1.000	0.636	1.000	0.786

## m_community 53	1.000	0.556	1.000	0.667
## m_community 54	0.500	0.500	0.500	0.000
## m_community 55	0.833	0.167	0.833	0.500
## m_community 56	0.833	0.667	0.833	0.167
## m_community 57	0.857	0.714	0.857	0.429
## m_community 58	0.714	0.455	0.857	0.571
## m_community 59	0.500	0.500	0.750	0.000
## m_community 60	0.714	0.714	0.857	0.429
## m_community 61	0.667	0.667	0.667	0.000
## m_community 62	0.714	0.400	0.857	0.500
## m_community 63	1.000	0.667	1.000	0.000
## m_community 64	1.000	0.857	1.000	0.571
## m_community 65	1.000	0.750	1.000	0.250
## m_community 66	1.000	1.000	1.000	1.000
##	m_community 13	m_community 14	m_community 15	m_community 16
## m_community 1	0.250	0.500	0.0	0.600
## m_community 2	0.000	0.000	0.5	0.750
## m_community 3	0.500	0.750	0.5	0.600
## m_community 4	0.000	0.250	0.5	0.500
## m_community 5	0.000	0.000	0.5	0.500
## m_community 6	0.000	0.250	0.5	0.375
## m_community 7	0.000	0.250	0.0	0.600
## m_community 8	0.250	0.500	0.5	0.375
## m_community 9	0.250	0.500	0.5	0.714
## m_community 10	0.000	0.250	0.5	0.375
## m_community 11	0.000	0.250	0.5	0.714
## m_community 12	0.500	0.500	0.5	0.375
## m_community 13	NA	0.250	0.5	0.500
## m_community 14	0.250	NA	0.5	0.750
## m_community 15	0.500	0.500	NA	0.500
## m_community 16	0.500	0.750	0.5	NA
## m_community 17	0.000	0.250	0.5	0.375
## m_community 18	0.750	0.750	0.5	0.750
## m_community 19	0.667	0.667	0.5	1.000
## m_community 20	0.500	0.750	0.5	0.800
## m_community 21	0.500	0.750	1.0	0.750
## m_community 22	0.750	0.500	1.0	1.000
## m_community 23	0.500	0.500	1.0	0.714

## m_community 24	0.500	0.500	1.0	1.000
## m_community 25	0.000	0.000	1.0	1.000
## m_community 26	0.250	0.250	1.0	0.875
## m_community 27	0.250	0.500	1.0	0.875
## m_community 28	0.250	0.500	1.0	0.500
## m_community 29	0.500	0.750	1.0	0.500
## m_community 30	0.750	0.500	1.0	1.000
## m_community 31	0.250	0.500	1.0	0.500
## m_community 32	0.250	0.500	1.0	0.500
## m_community 33	0.250	0.500	1.0	0.500
## m_community 34	0.500	0.500	1.0	1.000
## m_community 35	0.250	0.500	1.0	0.500
## m_community 36	0.500	0.500	1.0	0.875
## m_community 37	0.250	0.500	1.0	0.875
## m_community 38	0.250	0.500	1.0	0.500
## m_community 39	0.500	0.500	1.0	0.857
## m_community 40	0.500	0.750	1.0	0.857
## m_community 41	0.250	0.250	1.0	0.500
## m_community 42	0.500	0.750	1.0	0.500
## m_community 43	0.500	0.500	1.0	0.571
## m_community 44	0.250	0.500	1.0	0.500
## m_community 45	0.500	0.750	1.0	0.750
## m_community 46	0.250	0.500	1.0	0.800
## m_community 47	0.750	0.750	1.0	0.500
## m_community 48	0.750	0.750	1.0	0.625
## m_community 49	0.750	0.750	1.0	0.375
## m_community 50	0.750	0.750	1.0	0.833
## m_community 51	1.000	0.667	1.0	1.000
## m_community 52	1.000	1.000	1.0	0.625
## m_community 53	1.000	1.000	1.0	0.625
## m_community 54	0.500	1.000	1.0	0.500
## m_community 55	0.750	1.000	1.0	0.333
## m_community 56	0.750	1.000	1.0	0.667
## m_community 57	0.750	1.000	1.0	0.714
## m_community 58	0.750	1.000	1.0	0.500
## m_community 59	0.750	1.000	1.0	0.750
## m_community 60	0.750	1.000	1.0	0.857
## m_community 61	0.667	1.000	1.0	0.667

## m_community 62	0.750	1.000	1.0	0.500
## m_community 63	1.000	1.000	1.0	0.667
## m_community 64	1.000	1.000	1.0	0.857
## m_community 65	1.000	1.000	1.0	0.750
## m_community 66	1.000	1.000	1.0	1.000
##	m_community 17	m_community 18	m_community 19	m_community 20
## m_community 1	0.400	0.750	0.333	0.400
## m_community 2	0.667	0.750	0.667	0.600
## m_community 3	0.400	0.750	1.000	0.800
## m_community 4	0.462	0.250	0.667	0.600
## m_community 5	0.000	0.500	0.500	0.500
## m_community 6	0.417	0.750	0.667	0.600
## m_community 7	0.200	0.750	0.333	0.400
## m_community 8	0.077	0.500	0.667	0.200
## m_community 9	0.429	0.750	0.667	0.600
## m_community 10	0.182	0.750	0.667	0.600
## m_community 11	0.429	0.750	0.667	0.600
## m_community 12	0.538	0.000	1.000	0.600
## m_community 13	0.000	0.750	0.667	0.500
## m_community 14	0.250	0.750	0.667	0.750
## m_community 15	0.500	0.500	0.500	0.500
## m_community 16	0.375	0.750	1.000	0.800
## m_community 17	NA	0.750	0.667	0.600
## m_community 18	0.750	NA	1.000	0.750
## m_community 19	0.667	1.000	NA	0.333
## m_community 20	0.600	0.750	0.333	NA
## m_community 21	0.500	0.500	0.667	0.500
## m_community 22	0.833	0.500	0.667	0.800
## m_community 23	0.429	1.000	0.667	0.800
## m_community 24	0.600	1.000	0.667	0.800
## m_community 25	0.000	1.000	0.500	0.500
## m_community 26	0.769	1.000	0.667	0.600
## m_community 27	0.727	0.500	0.667	0.600
## m_community 28	0.400	1.000	0.667	0.600
## m_community 29	0.000	1.000	0.667	0.500
## m_community 30	0.875	0.500	0.667	0.800
## m_community 31	0.154	0.500	0.667	0.600
## m_community 32	0.077	0.750	0.667	0.600

## m_community 33	0.077	0.750	0.667	0.600
## m_community 34	0.600	0.500	0.667	0.800
## m_community 35	0.077	1.000	0.667	0.600
## m_community 36	0.769	1.000	0.667	0.800
## m_community 37	0.500	1.000	0.667	0.600
## m_community 38	0.385	1.000	0.667	0.600
## m_community 39	0.429	1.000	0.667	0.600
## m_community 40	0.429	1.000	0.667	0.600
## m_community 41	0.308	1.000	0.667	0.600
## m_community 42	0.182	1.000	0.667	0.600
## m_community 43	0.286	1.000	0.667	0.800
## m_community 44	0.167	1.000	0.667	0.600
## m_community 45	0.000	1.000	0.667	0.500
## m_community 46	0.200	1.000	0.667	0.600
## m_community 47	0.200	0.750	1.000	0.800
## m_community 48	0.600	0.250	1.000	0.600
## m_community 49	0.667	0.500	1.000	0.800
## m_community 50	0.833	0.500	1.000	0.800
## m_community 51	1.000	0.333	1.000	1.000
## m_community 52	0.462	0.750	1.000	0.600
## m_community 53	0.222	0.750	1.000	0.800
## m_community 54	0.500	0.500	1.000	0.500
## m_community 55	0.167	1.000	1.000	0.800
## m_community 56	0.667	0.750	1.000	0.800
## m_community 57	0.714	0.500	1.000	0.800
## m_community 58	0.538	0.500	1.000	0.800
## m_community 59	0.500	0.750	1.000	0.750
## m_community 60	0.571	1.000	1.000	0.800
## m_community 61	0.667	0.333	1.000	0.667
## m_community 62	0.300	1.000	1.000	0.800
## m_community 63	0.667	0.333	1.000	1.000
## m_community 64	0.857	0.500	1.000	1.000
## m_community 65	0.750	0.500	1.000	1.000
## m_community 66	1.000	1.000	1.000	1.000
##	m_community 21	m_community 22	m_community 23	m_community 24
## m_community 1	0.500	0.800	0.800	0.800
## m_community 2	0.500	0.667	0.571	0.000
## m_community 3	0.750	0.800	0.800	1.000

## m_community 4	0.000	0.167	0.143	0.000
## m_community 5	0.500	0.500	0.500	0.500
## m_community 6	0.500	0.833	0.286	0.000
## m_community 7	0.500	0.800	0.600	0.600
## m_community 8	0.500	0.833	0.571	0.800
## m_community 9	0.500	0.833	0.857	0.800
## m_community 10	0.500	0.833	0.286	0.200
## m_community 11	0.500	0.833	0.571	0.000
## m_community 12	0.250	0.500	0.714	1.000
## m_community 13	0.500	0.750	0.500	0.500
## m_community 14	0.750	0.500	0.500	0.500
## m_community 15	1.000	1.000	1.000	1.000
## m_community 16	0.750	1.000	0.714	1.000
## m_community 17	0.500	0.833	0.429	0.600
## m_community 18	0.500	0.500	1.000	1.000
## m_community 19	0.667	0.667	0.667	0.667
## m_community 20	0.500	0.800	0.800	0.800
## m_community 21	NA	0.250	0.750	0.750
## m_community 22	0.250	NA	0.667	0.800
## m_community 23	0.750	0.667	NA	0.400
## m_community 24	0.750	0.800	0.400	NA
## m_community 25	0.500	0.500	0.000	0.000
## m_community 26	0.500	0.500	0.429	0.400
## m_community 27	0.000	0.333	0.571	0.200
## m_community 28	0.500	0.667	0.143	0.600
## m_community 29	0.500	0.750	0.500	0.750
## m_community 30	0.250	0.000	0.714	0.800
## m_community 31	0.000	0.167	0.143	0.200
## m_community 32	0.250	0.667	0.286	0.200
## m_community 33	0.250	0.667	0.286	0.000
## m_community 34	0.250	0.200	0.400	0.600
## m_community 35	0.500	0.833	0.286	0.000
## m_community 36	0.750	0.667	0.286	0.000
## m_community 37	0.500	0.833	0.571	0.400
## m_community 38	0.500	0.833	0.286	0.000
## m_community 39	0.500	0.667	0.857	0.800
## m_community 40	0.500	0.833	0.857	0.800
## m_community 41	0.500	0.500	0.143	0.200

## m_community 42	0.500	0.833	0.571	0.800
## m_community 43	0.750	0.833	0.286	0.200
## m_community 44	0.500	0.833	0.286	0.200
## m_community 45	0.500	0.750	0.750	0.750
## m_community 46	0.500	0.800	0.400	0.400
## m_community 47	0.500	0.667	0.714	1.000
## m_community 48	0.250	0.333	0.714	1.000
## m_community 49	0.250	0.333	0.857	1.000
## m_community 50	0.250	0.333	1.000	1.000
## m_community 51	0.333	0.000	1.000	1.000
## m_community 52	1.000	1.000	0.714	1.000
## m_community 53	1.000	1.000	0.714	1.000
## m_community 54	0.000	0.500	1.000	1.000
## m_community 55	0.750	0.833	0.500	1.000
## m_community 56	0.500	0.833	0.833	1.000
## m_community 57	0.250	0.333	0.714	1.000
## m_community 58	0.250	0.333	0.571	1.000
## m_community 59	0.500	0.750	1.000	1.000
## m_community 60	0.750	0.833	0.857	1.000
## m_community 61	0.000	0.333	1.000	1.000
## m_community 62	0.750	1.000	0.714	1.000
## m_community 63	0.333	0.333	0.667	1.000
## m_community 64	0.500	0.333	0.571	1.000
## m_community 65	0.500	0.250	0.750	1.000
## m_community 66	1.000	0.000	0.000	1.000
##	m_community 25	m_community 26	m_community 27	m_community 28
## m_community 1	0.5	0.600	0.600	0.400
## m_community 2	0.0	0.250	0.545	0.700
## m_community 3	1.0	0.600	0.800	0.600
## m_community 4	0.0	0.706	0.000	0.400
## m_community 5	0.5	0.500	0.500	0.500
## m_community 6	0.0	0.667	0.545	0.400
## m_community 7	0.0	0.400	0.400	0.400
## m_community 8	0.5	0.889	0.818	0.500
## m_community 9	0.5	0.714	0.714	0.714
## m_community 10	0.0	0.636	0.545	0.400
## m_community 11	0.0	0.429	0.286	0.571
## m_community 12	1.0	0.786	0.727	0.500

## m_community 13	0.0	0.250	0.250	0.250
## m_community 14	0.0	0.250	0.500	0.500
## m_community 15	1.0	1.000	1.000	1.000
## m_community 16	1.0	0.875	0.875	0.500
## m_community 17	0.0	0.769	0.727	0.400
## m_community 18	1.0	1.000	0.500	1.000
## m_community 19	0.5	0.667	0.667	0.667
## m_community 20	0.5	0.600	0.600	0.600
## m_community 21	0.5	0.500	0.000	0.500
## m_community 22	0.5	0.500	0.333	0.667
## m_community 23	0.0	0.429	0.571	0.143
## m_community 24	0.0	0.400	0.200	0.600
## m_community 25	NA	0.000	0.000	0.000
## m_community 26	0.0	NA	0.636	0.600
## m_community 27	0.0	0.636	NA	0.700
## m_community 28	0.0	0.600	0.700	NA
## m_community 29	0.5	0.500	0.500	0.250
## m_community 30	0.5	0.375	0.500	0.750
## m_community 31	0.0	0.762	0.091	0.100
## m_community 32	0.0	0.810	0.455	0.200
## m_community 33	0.0	0.778	0.455	0.400
## m_community 34	0.0	0.400	0.200	0.400
## m_community 35	0.0	0.810	0.545	0.300
## m_community 36	0.0	0.692	0.636	0.600
## m_community 37	0.0	0.600	0.600	0.600
## m_community 38	0.0	0.750	0.545	0.400
## m_community 39	0.5	0.571	0.714	0.714
## m_community 40	0.5	0.714	0.714	0.429
## m_community 41	0.0	0.632	0.545	0.300
## m_community 42	0.5	0.818	0.818	0.500
## m_community 43	0.0	0.571	0.429	0.286
## m_community 44	0.0	0.667	0.545	0.400
## m_community 45	0.5	0.500	0.500	0.500
## m_community 46	0.0	0.200	0.200	0.400
## m_community 47	1.0	0.800	0.800	0.600
## m_community 48	1.0	0.700	0.600	0.700
## m_community 49	1.0	0.750	0.636	0.800
## m_community 50	1.0	0.667	0.333	0.667

## m_community 51	1.0	0.667	0.333	1.000
## m_community 52	1.0	1.000	1.000	0.700
## m_community 53	1.0	1.000	1.000	0.667
## m_community 54	1.0	0.500	0.000	0.500
## m_community 55	1.0	0.667	0.833	0.167
## m_community 56	1.0	0.833	0.667	0.333
## m_community 57	1.0	0.714	0.286	0.571
## m_community 58	1.0	0.867	0.364	0.500
## m_community 59	1.0	0.750	0.500	0.500
## m_community 60	1.0	0.714	0.857	0.571
## m_community 61	1.0	0.667	0.000	0.667
## m_community 62	1.0	0.900	0.900	0.600
## m_community 63	1.0	1.000	0.333	0.667
## m_community 64	1.0	0.857	0.429	0.571
## m_community 65	1.0	1.000	0.250	0.750
## m_community 66	1.0	0.000	1.000	0.000
##	m_community 29	m_community 30	m_community 31	m_community 32
## m_community 1	0.500	0.800	0.400	0.400
## m_community 2	0.500	0.500	0.583	0.583
## m_community 3	0.500	0.800	0.400	0.600
## m_community 4	0.000	0.375	0.176	0.471
## m_community 5	0.500	0.500	0.500	0.500
## m_community 6	0.250	0.875	0.333	0.333
## m_community 7	0.500	0.800	0.400	0.400
## m_community 8	0.000	0.875	0.333	0.167
## m_community 9	0.250	0.857	0.571	0.571
## m_community 10	0.000	0.875	0.091	0.091
## m_community 11	0.500	0.857	0.286	0.286
## m_community 12	0.250	0.500	0.357	0.429
## m_community 13	0.500	0.750	0.250	0.250
## m_community 14	0.750	0.500	0.500	0.500
## m_community 15	1.000	1.000	1.000	1.000
## m_community 16	0.500	1.000	0.500	0.500
## m_community 17	0.000	0.875	0.154	0.077
## m_community 18	1.000	0.500	0.500	0.750
## m_community 19	0.667	0.667	0.667	0.667
## m_community 20	0.500	0.800	0.600	0.600
## m_community 21	0.500	0.250	0.000	0.250

## m_community 22	0.750	0.000	0.167	0.667
## m_community 23	0.500	0.714	0.143	0.286
## m_community 24	0.750	0.800	0.200	0.200
## m_community 25	0.500	0.500	0.000	0.000
## m_community 26	0.500	0.375	0.762	0.810
## m_community 27	0.500	0.500	0.091	0.455
## m_community 28	0.250	0.750	0.100	0.200
## m_community 29	NA	0.750	0.000	0.000
## m_community 30	0.750	NA	0.375	0.750
## m_community 31	0.000	0.375	NA	0.240
## m_community 32	0.000	0.750	0.240	NA
## m_community 33	0.000	0.750	0.222	0.056
## m_community 34	0.750	0.200	0.000	0.400
## m_community 35	0.000	0.875	0.360	0.133
## m_community 36	0.500	0.750	0.538	0.615
## m_community 37	0.250	0.875	0.100	0.000
## m_community 38	0.000	0.875	0.250	0.250
## m_community 39	0.250	0.714	0.143	0.143
## m_community 40	0.250	0.857	0.000	0.000
## m_community 41	0.000	0.500	0.263	0.263
## m_community 42	0.000	0.875	0.000	0.000
## m_community 43	0.500	0.857	0.000	0.000
## m_community 44	0.000	0.875	0.000	0.000
## m_community 45	0.250	0.750	0.000	0.000
## m_community 46	0.250	0.800	0.000	0.000
## m_community 47	0.250	0.750	0.100	0.100
## m_community 48	0.250	0.375	0.300	0.500
## m_community 49	0.250	0.375	0.417	0.583
## m_community 50	0.750	0.333	0.167	0.500
## m_community 51	1.000	0.000	0.333	0.667
## m_community 52	0.750	1.000	0.647	0.118
## m_community 53	0.750	1.000	0.333	0.111
## m_community 54	0.500	0.500	0.000	0.000
## m_community 55	0.500	0.833	0.000	0.167
## m_community 56	0.500	0.833	0.000	0.000
## m_community 57	0.500	0.429	0.000	0.571
## m_community 58	0.250	0.500	0.200	0.533
## m_community 59	0.500	0.750	0.000	0.000

## m_community 60	0.500	0.857	0.000	0.143
## m_community 61	0.667	0.333	0.000	0.333
## m_community 62	0.250	1.000	0.100	0.000
## m_community 63	0.667	0.333	0.000	0.333
## m_community 64	0.750	0.429	0.143	0.714
## m_community 65	0.750	0.250	0.000	0.500
## m_community 66	1.000	0.000	0.000	1.000
##	m_community 33	m_community 34	m_community 35	m_community 36
## m_community 1	0.600	0.800	0.400	0.800
## m_community 2	0.500	0.600	0.500	0.583
## m_community 3	0.600	0.800	0.600	0.800
## m_community 4	0.412	0.000	0.471	0.462
## m_community 5	0.500	0.500	0.500	0.500
## m_community 6	0.250	0.600	0.167	0.417
## m_community 7	0.400	0.600	0.400	0.600
## m_community 8	0.278	0.800	0.167	0.846
## m_community 9	0.571	0.800	0.571	0.857
## m_community 10	0.091	0.600	0.091	0.545
## m_community 11	0.143	0.600	0.143	0.286
## m_community 12	0.571	0.600	0.571	0.923
## m_community 13	0.250	0.500	0.250	0.500
## m_community 14	0.500	0.500	0.500	0.500
## m_community 15	1.000	1.000	1.000	1.000
## m_community 16	0.500	1.000	0.500	0.875
## m_community 17	0.077	0.600	0.077	0.769
## m_community 18	0.750	0.500	1.000	1.000
## m_community 19	0.667	0.667	0.667	0.667
## m_community 20	0.600	0.800	0.600	0.800
## m_community 21	0.250	0.250	0.500	0.750
## m_community 22	0.667	0.200	0.833	0.667
## m_community 23	0.286	0.400	0.286	0.286
## m_community 24	0.000	0.600	0.000	0.000
## m_community 25	0.000	0.000	0.000	0.000
## m_community 26	0.778	0.400	0.810	0.692
## m_community 27	0.455	0.200	0.545	0.636
## m_community 28	0.400	0.400	0.300	0.600
## m_community 29	0.000	0.750	0.000	0.500
## m_community 30	0.750	0.200	0.875	0.750

## m_community 31	0.222	0.000	0.360	0.538
## m_community 32	0.056	0.400	0.133	0.615
## m_community 33	NA	0.400	0.056	0.538
## m_community 34	0.400	NA	0.600	0.400
## m_community 35	0.056	0.600	NA	0.462
## m_community 36	0.538	0.400	0.462	NA
## m_community 37	0.400	0.600	0.000	0.700
## m_community 38	0.312	0.600	0.125	0.308
## m_community 39	0.429	0.800	0.143	0.857
## m_community 40	0.429	0.800	0.143	0.857
## m_community 41	0.389	0.400	0.158	0.538
## m_community 42	0.182	0.800	0.000	0.818
## m_community 43	0.000	0.600	0.000	0.286
## m_community 44	0.000	0.600	0.000	0.583
## m_community 45	0.000	0.750	0.000	0.750
## m_community 46	0.000	0.600	0.000	0.400
## m_community 47	0.100	0.800	0.200	0.900
## m_community 48	0.500	0.600	0.600	0.900
## m_community 49	0.583	0.600	0.667	0.917
## m_community 50	0.667	0.600	0.667	1.000
## m_community 51	0.667	0.333	1.000	1.000
## m_community 52	0.471	1.000	0.118	0.923
## m_community 53	0.111	1.000	0.111	0.889
## m_community 54	0.000	0.500	0.500	1.000
## m_community 55	0.167	0.800	0.167	0.667
## m_community 56	0.500	0.800	0.500	0.833
## m_community 57	0.571	0.400	0.714	0.714
## m_community 58	0.533	0.400	0.600	0.846
## m_community 59	0.250	0.750	0.250	1.000
## m_community 60	0.571	0.800	0.143	0.857
## m_community 61	0.333	0.333	0.667	1.000
## m_community 62	0.300	1.000	0.000	0.900
## m_community 63	0.333	0.333	0.667	0.667
## m_community 64	0.714	0.400	0.857	0.714
## m_community 65	0.500	0.500	0.750	0.750
## m_community 66	1.000	0.000	1.000	0.000
##	m_community 37	m_community 38	m_community 39	m_community 40
## m_community 1	0.400	0.600	0.600	0.400

## m_community 2	0.600	0.500	0.571	0.714
## m_community 3	0.600	0.600	0.600	0.600
## m_community 4	0.500	0.438	0.571	0.571
## m_community 5	0.500	0.500	0.500	0.500
## m_community 6	0.600	0.167	0.714	0.714
## m_community 7	0.400	0.400	0.600	0.600
## m_community 8	0.400	0.438	0.143	0.286
## m_community 9	0.571	0.571	0.571	0.571
## m_community 10	0.500	0.182	0.571	0.571
## m_community 11	0.429	0.143	0.714	0.714
## m_community 12	0.600	0.643	0.429	0.286
## m_community 13	0.250	0.250	0.500	0.500
## m_community 14	0.500	0.500	0.500	0.750
## m_community 15	1.000	1.000	1.000	1.000
## m_community 16	0.875	0.500	0.857	0.857
## m_community 17	0.500	0.385	0.429	0.429
## m_community 18	1.000	1.000	1.000	1.000
## m_community 19	0.667	0.667	0.667	0.667
## m_community 20	0.600	0.600	0.600	0.600
## m_community 21	0.500	0.500	0.500	0.500
## m_community 22	0.833	0.833	0.667	0.833
## m_community 23	0.571	0.286	0.857	0.857
## m_community 24	0.400	0.000	0.800	0.800
## m_community 25	0.000	0.000	0.500	0.500
## m_community 26	0.600	0.750	0.571	0.714
## m_community 27	0.600	0.545	0.714	0.714
## m_community 28	0.600	0.400	0.714	0.429
## m_community 29	0.250	0.000	0.250	0.250
## m_community 30	0.875	0.875	0.714	0.857
## m_community 31	0.100	0.250	0.143	0.000
## m_community 32	0.000	0.250	0.143	0.000
## m_community 33	0.400	0.312	0.429	0.429
## m_community 34	0.600	0.600	0.800	0.800
## m_community 35	0.000	0.125	0.143	0.143
## m_community 36	0.700	0.308	0.857	0.857
## m_community 37	NA	0.200	0.143	0.143
## m_community 38	0.200	NA	0.143	0.286
## m_community 39	0.143	0.143	NA	0.286

## m_community 40	0.143	0.286	0.286	NA
## m_community 41	0.100	0.250	0.000	0.286
## m_community 42	0.400	0.182	0.143	0.286
## m_community 43	0.571	0.000	0.857	0.857
## m_community 44	0.500	0.250	0.571	0.571
## m_community 45	0.000	0.000	0.000	0.000
## m_community 46	0.000	0.000	0.400	0.400
## m_community 47	0.700	0.400	0.429	0.571
## m_community 48	0.800	0.600	0.571	0.714
## m_community 49	0.700	0.667	0.429	0.571
## m_community 50	0.667	0.833	0.667	0.667
## m_community 51	1.000	1.000	0.667	1.000
## m_community 52	1.000	0.812	1.000	1.000
## m_community 53	1.000	0.667	1.000	1.000
## m_community 54	0.500	0.500	0.500	0.500
## m_community 55	0.833	0.333	0.833	0.833
## m_community 56	0.667	0.667	0.833	0.500
## m_community 57	0.857	0.714	0.857	0.857
## m_community 58	0.800	0.667	0.714	0.714
## m_community 59	0.250	0.500	0.500	0.250
## m_community 60	0.143	0.286	0.286	0.286
## m_community 61	0.667	0.667	0.667	0.667
## m_community 62	0.400	0.200	0.286	0.429
## m_community 63	1.000	0.667	1.000	1.000
## m_community 64	1.000	0.857	1.000	1.000
## m_community 65	1.000	0.750	1.000	1.000
## m_community 66	1.000	1.000	1.000	1.000
##	m_community 41	m_community 42	m_community 43	m_community 44
## m_community 1	0.600	0.600	0.800	0.600
## m_community 2	0.417	0.818	0.429	0.583
## m_community 3	0.400	0.600	1.000	0.600
## m_community 4	0.471	0.545	0.143	0.333
## m_community 5	0.500	0.500	0.500	0.500
## m_community 6	0.333	0.545	0.000	0.333
## m_community 7	0.400	0.600	0.600	0.400
## m_community 8	0.444	0.000	0.429	0.250
## m_community 9	0.571	0.571	0.857	0.571
## m_community 10	0.091	0.364	0.000	0.091

## m_community 11	0.286	0.714	0.429	0.286
## m_community 12	0.500	0.545	0.714	0.667
## m_community 13	0.250	0.500	0.500	0.250
## m_community 14	0.250	0.750	0.500	0.500
## m_community 15	1.000	1.000	1.000	1.000
## m_community 16	0.500	0.500	0.571	0.500
## m_community 17	0.308	0.182	0.286	0.167
## m_community 18	1.000	1.000	1.000	1.000
## m_community 19	0.667	0.667	0.667	0.667
## m_community 20	0.600	0.600	0.800	0.600
## m_community 21	0.500	0.500	0.750	0.500
## m_community 22	0.500	0.833	0.833	0.833
## m_community 23	0.143	0.571	0.286	0.286
## m_community 24	0.200	0.800	0.200	0.200
## m_community 25	0.000	0.500	0.000	0.000
## m_community 26	0.632	0.818	0.571	0.667
## m_community 27	0.545	0.818	0.429	0.545
## m_community 28	0.300	0.500	0.286	0.400
## m_community 29	0.000	0.000	0.500	0.000
## m_community 30	0.500	0.875	0.857	0.875
## m_community 31	0.263	0.000	0.000	0.000
## m_community 32	0.263	0.000	0.000	0.000
## m_community 33	0.389	0.182	0.000	0.000
## m_community 34	0.400	0.800	0.600	0.600
## m_community 35	0.158	0.000	0.000	0.000
## m_community 36	0.538	0.818	0.286	0.583
## m_community 37	0.100	0.400	0.571	0.500
## m_community 38	0.250	0.182	0.000	0.250
## m_community 39	0.000	0.143	0.857	0.571
## m_community 40	0.286	0.286	0.857	0.571
## m_community 41	NA	0.091	0.000	0.167
## m_community 42	0.091	NA	0.429	0.273
## m_community 43	0.000	0.429	NA	0.000
## m_community 44	0.167	0.273	0.000	NA
## m_community 45	0.000	0.000	0.750	0.250
## m_community 46	0.000	0.400	0.400	0.000
## m_community 47	0.200	0.200	0.571	0.300
## m_community 48	0.400	0.600	0.714	0.600

## m_community 49	0.500	0.636	0.857	0.750
## m_community 50	0.667	0.833	1.000	0.833
## m_community 51	0.667	1.000	1.000	1.000
## m_community 52	0.765	0.545	0.571	0.500
## m_community 53	0.556	0.444	0.571	0.333
## m_community 54	0.500	0.500	1.000	0.500
## m_community 55	0.000	0.167	0.500	0.167
## m_community 56	0.667	0.667	0.833	0.667
## m_community 57	0.571	0.714	0.857	0.714
## m_community 58	0.533	0.455	0.571	0.500
## m_community 59	0.500	0.500	1.000	0.500
## m_community 60	0.143	0.286	1.000	0.714
## m_community 61	0.667	0.667	1.000	0.667
## m_community 62	0.000	0.100	0.571	0.400
## m_community 63	0.667	0.667	0.667	0.667
## m_community 64	0.714	0.857	0.857	0.857
## m_community 65	0.750	0.750	0.750	0.750
## m_community 66	0.000	1.000	1.000	1.000
##	m_community 45	m_community 46	m_community 47	m_community 48
## m_community 1	0.500	0.600	0.800	0.800
## m_community 2	0.500	0.200	0.800	0.700
## m_community 3	0.500	0.600	0.600	0.600
## m_community 4	0.250	0.000	0.500	0.300
## m_community 5	0.500	0.500	1.000	1.000
## m_community 6	0.500	0.200	0.600	0.700
## m_community 7	0.500	0.400	0.800	0.800
## m_community 8	0.000	0.400	0.200	0.500
## m_community 9	0.250	0.400	0.714	0.714
## m_community 10	0.250	0.000	0.400	0.600
## m_community 11	0.500	0.200	0.857	0.857
## m_community 12	0.250	0.600	0.300	0.100
## m_community 13	0.500	0.250	0.750	0.750
## m_community 14	0.750	0.500	0.750	0.750
## m_community 15	1.000	1.000	1.000	1.000
## m_community 16	0.750	0.800	0.500	0.625
## m_community 17	0.000	0.200	0.200	0.600
## m_community 18	1.000	1.000	0.750	0.250
## m_community 19	0.667	0.667	1.000	1.000

## m_community 20	0.500	0.600	0.800	0.600
## m_community 21	0.500	0.500	0.500	0.250
## m_community 22	0.750	0.800	0.667	0.333
## m_community 23	0.750	0.400	0.714	0.714
## m_community 24	0.750	0.400	1.000	1.000
## m_community 25	0.500	0.000	1.000	1.000
## m_community 26	0.500	0.200	0.800	0.700
## m_community 27	0.500	0.200	0.800	0.600
## m_community 28	0.500	0.400	0.600	0.700
## m_community 29	0.250	0.250	0.250	0.250
## m_community 30	0.750	0.800	0.750	0.375
## m_community 31	0.000	0.000	0.100	0.300
## m_community 32	0.000	0.000	0.100	0.500
## m_community 33	0.000	0.000	0.100	0.500
## m_community 34	0.750	0.600	0.800	0.600
## m_community 35	0.000	0.000	0.200	0.600
## m_community 36	0.750	0.400	0.900	0.900
## m_community 37	0.000	0.000	0.700	0.800
## m_community 38	0.000	0.000	0.400	0.600
## m_community 39	0.000	0.400	0.429	0.571
## m_community 40	0.000	0.400	0.571	0.714
## m_community 41	0.000	0.000	0.200	0.400
## m_community 42	0.000	0.400	0.200	0.600
## m_community 43	0.750	0.400	0.571	0.714
## m_community 44	0.250	0.000	0.300	0.600
## m_community 45	NA	0.250	0.250	0.500
## m_community 46	0.250	NA	0.600	0.600
## m_community 47	0.250	0.600	NA	0.400
## m_community 48	0.500	0.600	0.400	NA
## m_community 49	0.250	0.600	0.400	0.200
## m_community 50	0.750	0.800	0.500	0.167
## m_community 51	1.000	1.000	0.333	0.000
## m_community 52	1.000	1.000	0.500	0.700
## m_community 53	1.000	1.000	0.444	0.667
## m_community 54	0.500	0.500	0.000	0.000
## m_community 55	0.750	0.800	0.167	0.500
## m_community 56	0.750	0.800	0.500	0.500
## m_community 57	0.750	0.800	0.571	0.286

## m_community 58	0.500	0.600	0.300	0.300
## m_community 59	0.500	0.500	0.250	0.250
## m_community 60	0.250	0.600	0.571	0.714
## m_community 61	0.667	0.667	0.333	0.000
## m_community 62	0.250	0.600	0.300	0.600
## m_community 63	1.000	1.000	0.333	0.000
## m_community 64	1.000	1.000	0.714	0.429
## m_community 65	1.000	1.000	0.500	0.000
## m_community 66	1.000	1.000	1.000	1.000
##	m_community 49	m_community 50	m_community 51	m_community 52
## m_community 1	0.800	0.600	1.000	1.000
## m_community 2	0.750	0.667	0.667	1.000
## m_community 3	0.600	0.800	1.000	1.000
## m_community 4	0.500	0.333	0.333	0.882
## m_community 5	1.000	1.000	1.000	1.000
## m_community 6	0.833	0.833	1.000	0.750
## m_community 7	0.800	0.800	1.000	1.000
## m_community 8	0.667	0.833	1.000	0.353
## m_community 9	0.714	0.833	1.000	1.000
## m_community 10	0.727	0.833	1.000	0.636
## m_community 11	0.857	0.833	1.000	1.000
## m_community 12	0.250	0.167	0.000	0.786
## m_community 13	0.750	0.750	1.000	1.000
## m_community 14	0.750	0.750	0.667	1.000
## m_community 15	1.000	1.000	1.000	1.000
## m_community 16	0.375	0.833	1.000	0.625
## m_community 17	0.667	0.833	1.000	0.462
## m_community 18	0.500	0.500	0.333	0.750
## m_community 19	1.000	1.000	1.000	1.000
## m_community 20	0.800	0.800	1.000	0.600
## m_community 21	0.250	0.250	0.333	1.000
## m_community 22	0.333	0.333	0.000	1.000
## m_community 23	0.857	1.000	1.000	0.714
## m_community 24	1.000	1.000	1.000	1.000
## m_community 25	1.000	1.000	1.000	1.000
## m_community 26	0.750	0.667	0.667	1.000
## m_community 27	0.636	0.333	0.333	1.000
## m_community 28	0.800	0.667	1.000	0.700

## m_community 29	0.250	0.750	1.000	0.750
## m_community 30	0.375	0.333	0.000	1.000
## m_community 31	0.417	0.167	0.333	0.647
## m_community 32	0.583	0.500	0.667	0.118
## m_community 33	0.583	0.667	0.667	0.471
## m_community 34	0.600	0.600	0.333	1.000
## m_community 35	0.667	0.667	1.000	0.118
## m_community 36	0.917	1.000	1.000	0.923
## m_community 37	0.700	0.667	1.000	1.000
## m_community 38	0.667	0.833	1.000	0.812
## m_community 39	0.429	0.667	0.667	1.000
## m_community 40	0.571	0.667	1.000	1.000
## m_community 41	0.500	0.667	0.667	0.765
## m_community 42	0.636	0.833	1.000	0.545
## m_community 43	0.857	1.000	1.000	0.571
## m_community 44	0.750	0.833	1.000	0.500
## m_community 45	0.250	0.750	1.000	1.000
## m_community 46	0.600	0.800	1.000	1.000
## m_community 47	0.400	0.500	0.333	0.500
## m_community 48	0.200	0.167	0.000	0.700
## m_community 49	NA	0.167	0.000	0.917
## m_community 50	0.167	NA	0.000	1.000
## m_community 51	0.000	0.000	NA	1.000
## m_community 52	0.917	1.000	1.000	NA
## m_community 53	0.889	1.000	1.000	0.000
## m_community 54	0.000	0.000	0.500	1.000
## m_community 55	0.667	0.833	1.000	0.333
## m_community 56	0.500	0.500	0.667	0.833
## m_community 57	0.286	0.333	0.333	0.857
## m_community 58	0.500	0.333	0.333	0.733
## m_community 59	0.250	0.250	0.667	1.000
## m_community 60	0.571	0.667	1.000	1.000
## m_community 61	0.000	0.000	0.333	1.000
## m_community 62	0.600	0.833	1.000	0.600
## m_community 63	0.000	0.333	0.333	0.667
## m_community 64	0.429	0.500	0.333	0.857
## m_community 65	0.000	0.250	0.333	0.750
## m_community 66	1.000	1.000	1.000	1.000

##	m_community 53	m_community 54	m_community 55	m_community 56
## m_community 1	1.000	0.5	0.800	0.600
## m_community 2	1.000	0.5	0.833	0.833
## m_community 3	1.000	0.5	0.600	0.800
## m_community 4	0.778	0.0	0.333	0.500
## m_community 5	1.000	1.0	1.000	1.000
## m_community 6	0.667	0.5	0.333	0.667
## m_community 7	1.000	0.5	0.800	0.800
## m_community 8	0.000	0.5	0.167	0.667
## m_community 9	1.000	0.5	0.833	0.833
## m_community 10	0.556	0.5	0.167	0.667
## m_community 11	1.000	0.5	0.833	0.833
## m_community 12	0.667	0.0	0.500	0.167
## m_community 13	1.000	0.5	0.750	0.750
## m_community 14	1.000	1.0	1.000	1.000
## m_community 15	1.000	1.0	1.000	1.000
## m_community 16	0.625	0.5	0.333	0.667
## m_community 17	0.222	0.5	0.167	0.667
## m_community 18	0.750	0.5	1.000	0.750
## m_community 19	1.000	1.0	1.000	1.000
## m_community 20	0.800	0.5	0.800	0.800
## m_community 21	1.000	0.0	0.750	0.500
## m_community 22	1.000	0.5	0.833	0.833
## m_community 23	0.714	1.0	0.500	0.833
## m_community 24	1.000	1.0	1.000	1.000
## m_community 25	1.000	1.0	1.000	1.000
## m_community 26	1.000	0.5	0.667	0.833
## m_community 27	1.000	0.0	0.833	0.667
## m_community 28	0.667	0.5	0.167	0.333
## m_community 29	0.750	0.5	0.500	0.500
## m_community 30	1.000	0.5	0.833	0.833
## m_community 31	0.333	0.0	0.000	0.000
## m_community 32	0.111	0.0	0.167	0.000
## m_community 33	0.111	0.0	0.167	0.500
## m_community 34	1.000	0.5	0.800	0.800
## m_community 35	0.111	0.5	0.167	0.500
## m_community 36	0.889	1.0	0.667	0.833
## m_community 37	1.000	0.5	0.833	0.667

## m_community 38	0.667	0.5	0.333	0.667
## m_community 39	1.000	0.5	0.833	0.833
## m_community 40	1.000	0.5	0.833	0.500
## m_community 41	0.556	0.5	0.000	0.667
## m_community 42	0.444	0.5	0.167	0.667
## m_community 43	0.571	1.0	0.500	0.833
## m_community 44	0.333	0.5	0.167	0.667
## m_community 45	1.000	0.5	0.750	0.750
## m_community 46	1.000	0.5	0.800	0.800
## m_community 47	0.444	0.0	0.167	0.500
## m_community 48	0.667	0.0	0.500	0.500
## m_community 49	0.889	0.0	0.667	0.500
## m_community 50	1.000	0.0	0.833	0.500
## m_community 51	1.000	0.5	1.000	0.667
## m_community 52	0.000	1.0	0.333	0.833
## m_community 53	NA	1.0	0.333	0.833
## m_community 54	1.000	NA	0.500	0.000
## m_community 55	0.333	0.5	NA	0.667
## m_community 56	0.833	0.0	0.667	NA
## m_community 57	0.857	0.0	0.500	0.500
## m_community 58	0.556	0.0	0.000	0.500
## m_community 59	1.000	0.0	0.750	0.250
## m_community 60	1.000	0.5	0.667	0.667
## m_community 61	1.000	0.0	0.667	0.333
## m_community 62	0.556	0.5	0.167	0.667
## m_community 63	0.667	0.5	0.667	0.333
## m_community 64	0.857	0.5	0.667	0.667
## m_community 65	0.750	0.5	0.750	0.500
## m_community 66	1.000	1.0	0.000	1.000
##	m_community 57	m_community 58	m_community 59	m_community 60
## m_community 1	0.800	0.800	0.500	0.600
## m_community 2	0.857	0.917	0.750	0.857
## m_community 3	0.600	0.400	0.500	0.400
## m_community 4	0.000	0.267	0.250	0.571
## m_community 5	1.000	1.000	1.000	1.000
## m_community 6	0.714	0.667	0.750	0.857
## m_community 7	0.800	0.800	0.750	0.800
## m_community 8	0.714	0.600	0.500	0.286

## m_community 9	0.857	0.714	0.500	0.714
## m_community 10	0.714	0.455	0.500	0.714
## m_community 11	0.857	0.857	0.750	0.857
## m_community 12	0.429	0.571	0.000	0.429
## m_community 13	0.750	0.750	0.750	0.750
## m_community 14	1.000	1.000	1.000	1.000
## m_community 15	1.000	1.000	1.000	1.000
## m_community 16	0.714	0.500	0.750	0.857
## m_community 17	0.714	0.538	0.500	0.571
## m_community 18	0.500	0.500	0.750	1.000
## m_community 19	1.000	1.000	1.000	1.000
## m_community 20	0.800	0.800	0.750	0.800
## m_community 21	0.250	0.250	0.500	0.750
## m_community 22	0.333	0.333	0.750	0.833
## m_community 23	0.714	0.571	1.000	0.857
## m_community 24	1.000	1.000	1.000	1.000
## m_community 25	1.000	1.000	1.000	1.000
## m_community 26	0.714	0.867	0.750	0.714
## m_community 27	0.286	0.364	0.500	0.857
## m_community 28	0.571	0.500	0.500	0.571
## m_community 29	0.500	0.250	0.500	0.500
## m_community 30	0.429	0.500	0.750	0.857
## m_community 31	0.000	0.200	0.000	0.000
## m_community 32	0.571	0.533	0.000	0.143
## m_community 33	0.571	0.533	0.250	0.571
## m_community 34	0.400	0.400	0.750	0.800
## m_community 35	0.714	0.600	0.250	0.143
## m_community 36	0.714	0.846	1.000	0.857
## m_community 37	0.857	0.800	0.250	0.143
## m_community 38	0.714	0.667	0.500	0.286
## m_community 39	0.857	0.714	0.500	0.286
## m_community 40	0.857	0.714	0.250	0.286
## m_community 41	0.571	0.533	0.500	0.143
## m_community 42	0.714	0.455	0.500	0.286
## m_community 43	0.857	0.571	1.000	1.000
## m_community 44	0.714	0.500	0.500	0.714
## m_community 45	0.750	0.500	0.500	0.250
## m_community 46	0.800	0.600	0.500	0.600

## m_community 47	0.571	0.300	0.250	0.571
## m_community 48	0.286	0.300	0.250	0.714
## m_community 49	0.286	0.500	0.250	0.571
## m_community 50	0.333	0.333	0.250	0.667
## m_community 51	0.333	0.333	0.667	1.000
## m_community 52	0.857	0.733	1.000	1.000
## m_community 53	0.857	0.556	1.000	1.000
## m_community 54	0.000	0.000	0.000	0.500
## m_community 55	0.500	0.000	0.750	0.667
## m_community 56	0.500	0.500	0.250	0.667
## m_community 57	NA	0.000	0.500	0.714
## m_community 58	0.000	NA	0.250	0.571
## m_community 59	0.500	0.250	NA	0.250
## m_community 60	0.714	0.571	0.250	NA
## m_community 61	0.000	0.000	0.333	0.667
## m_community 62	0.714	0.400	0.500	0.286
## m_community 63	0.000	0.000	0.667	1.000
## m_community 64	0.143	0.143	0.750	0.857
## m_community 65	0.000	0.000	0.750	1.000
## m_community 66	0.000	0.000	1.000	0.000
##	m_community 61	m_community 62	m_community 63	m_community 64
## m_community 1	0.667	0.800	1.000	1.000
## m_community 2	0.667	0.900	1.000	1.000
## m_community 3	0.667	0.600	1.000	0.800
## m_community 4	0.000	0.600	0.000	0.143
## m_community 5	1.000	1.000	1.000	1.000
## m_community 6	0.667	0.600	0.667	0.857
## m_community 7	0.667	0.800	1.000	1.000
## m_community 8	0.667	0.100	0.667	0.857
## m_community 9	0.667	0.714	1.000	1.000
## m_community 10	0.667	0.400	0.667	0.857
## m_community 11	0.667	0.857	1.000	1.000
## m_community 12	0.000	0.500	0.000	0.571
## m_community 13	0.667	0.750	1.000	1.000
## m_community 14	1.000	1.000	1.000	1.000
## m_community 15	1.000	1.000	1.000	1.000
## m_community 16	0.667	0.500	0.667	0.857
## m_community 17	0.667	0.300	0.667	0.857

## m_community 18	0.333	1.000	0.333	0.500
## m_community 19	1.000	1.000	1.000	1.000
## m_community 20	0.667	0.800	1.000	1.000
## m_community 21	0.000	0.750	0.333	0.500
## m_community 22	0.333	1.000	0.333	0.333
## m_community 23	1.000	0.714	0.667	0.571
## m_community 24	1.000	1.000	1.000	1.000
## m_community 25	1.000	1.000	1.000	1.000
## m_community 26	0.667	0.900	1.000	0.857
## m_community 27	0.000	0.900	0.333	0.429
## m_community 28	0.667	0.600	0.667	0.571
## m_community 29	0.667	0.250	0.667	0.750
## m_community 30	0.333	1.000	0.333	0.429
## m_community 31	0.000	0.100	0.000	0.143
## m_community 32	0.333	0.000	0.333	0.714
## m_community 33	0.333	0.300	0.333	0.714
## m_community 34	0.333	1.000	0.333	0.400
## m_community 35	0.667	0.000	0.667	0.857
## m_community 36	1.000	0.900	0.667	0.714
## m_community 37	0.667	0.400	1.000	1.000
## m_community 38	0.667	0.200	0.667	0.857
## m_community 39	0.667	0.286	1.000	1.000
## m_community 40	0.667	0.429	1.000	1.000
## m_community 41	0.667	0.000	0.667	0.714
## m_community 42	0.667	0.100	0.667	0.857
## m_community 43	1.000	0.571	0.667	0.857
## m_community 44	0.667	0.400	0.667	0.857
## m_community 45	0.667	0.250	1.000	1.000
## m_community 46	0.667	0.600	1.000	1.000
## m_community 47	0.333	0.300	0.333	0.714
## m_community 48	0.000	0.600	0.000	0.429
## m_community 49	0.000	0.600	0.000	0.429
## m_community 50	0.000	0.833	0.333	0.500
## m_community 51	0.333	1.000	0.333	0.333
## m_community 52	1.000	0.600	0.667	0.857
## m_community 53	1.000	0.556	0.667	0.857
## m_community 54	0.000	0.500	0.500	0.500
## m_community 55	0.667	0.167	0.667	0.667

## m_community 56	0.333	0.667	0.333	0.667
## m_community 57	0.000	0.714	0.000	0.143
## m_community 58	0.000	0.400	0.000	0.143
## m_community 59	0.333	0.500	0.667	0.750
## m_community 60	0.667	0.286	1.000	0.857
## m_community 61	NA	0.667	0.333	0.333
## m_community 62	0.667	NA	0.667	0.857
## m_community 63	0.333	0.667	NA	0.000
## m_community 64	0.333	0.857	0.000	NA
## m_community 65	0.333	0.750	0.000	0.000
## m_community 66	1.000	1.000	1.000	0.000
##	m_community 65	m_community 66		
## m_community 1	1.000	1		
## m_community 2	1.000	1		
## m_community 3	1.000	0		
## m_community 4	0.000	0		
## m_community 5	1.000	1		
## m_community 6	0.750	1		
## m_community 7	1.000	1		
## m_community 8	0.750	1		
## m_community 9	1.000	1		
## m_community 10	0.750	1		
## m_community 11	1.000	1		
## m_community 12	0.250	1		
## m_community 13	1.000	1		
## m_community 14	1.000	1		
## m_community 15	1.000	1		
## m_community 16	0.750	1		
## m_community 17	0.750	1		
## m_community 18	0.500	1		
## m_community 19	1.000	1		
## m_community 20	1.000	1		
## m_community 21	0.500	1		
## m_community 22	0.250	0		
## m_community 23	0.750	0		
## m_community 24	1.000	1		
## m_community 25	1.000	1		
## m_community 26	1.000	0		

## m_community 27	0.250	1
## m_community 28	0.750	0
## m_community 29	0.750	1
## m_community 30	0.250	0
## m_community 31	0.000	0
## m_community 32	0.500	1
## m_community 33	0.500	1
## m_community 34	0.500	0
## m_community 35	0.750	1
## m_community 36	0.750	0
## m_community 37	1.000	1
## m_community 38	0.750	1
## m_community 39	1.000	1
## m_community 40	1.000	1
## m_community 41	0.750	0
## m_community 42	0.750	1
## m_community 43	0.750	1
## m_community 44	0.750	1
## m_community 45	1.000	1
## m_community 46	1.000	1
## m_community 47	0.500	1
## m_community 48	0.000	1
## m_community 49	0.000	1
## m_community 50	0.250	1
## m_community 51	0.333	1
## m_community 52	0.750	1
## m_community 53	0.750	1
## m_community 54	0.500	1
## m_community 55	0.750	0
## m_community 56	0.500	1
## m_community 57	0.000	0
## m_community 58	0.000	0
## m_community 59	0.750	1
## m_community 60	1.000	0
## m_community 61	0.333	1
## m_community 62	0.750	1
## m_community 63	0.000	1
## m_community 64	0.000	0

```
## m_community 65      NA      1
## m_community 66    1.000     NA
```

Classifying Minor Communities Based on HC Clustering

Description

Classify Minor Communities based on HC clustering.

Usage

```
hc_m_community_classification(entity, minx, miny, maxx, maxy, scale, edge)
```

Arguments

entity Distribution coordinates and species information of plant individuals

minx Core area boundary, minimum x-value

miny Core area boundary, minimum y-value

maxx Core area boundary, maximum x-value

maxy Core area boundary, maximum y-value

scale scale parameter for HC clustering

edge Method for filtering Minor Communities based on boundaries, with options "inside" and "centroid"

Value

Classification of Minor Communities

Examples

```
entity=M.COMMUNITIES::entity
M.COMMUNITIES::hc_m_community_classification(entity,minx=5,miny=5,maxx=45,maxy=45,scale=5,edge="centroid")
```


##		x	y	species	m_community_class
## 1		37.50	45.30	sp1	1
## 42		37.30	44.00	sp2	1
## 59		38.00	44.00	sp3	1
## 345		36.00	44.90	sp6	1
## 736		37.10	44.00	sp9	1
## 2		34.70	38.00	sp1	2
## 81		33.60	38.30	sp3	2
## 95		34.60	40.20	sp3	2
## 97		34.60	39.60	sp3	2
## 100		34.40	39.50	sp3	2
## 101		32.70	40.10	sp3	2
## 294		33.00	38.10	sp4	2
## 295		33.00	38.30	sp4	2
## 296		32.90	38.20	sp4	2
## 298		35.40	39.00	sp4	2
## 300		34.90	37.00	sp4	2
## 350		36.50	38.00	sp6	2
## 7		31.50	22.70	sp1	3
## 8		31.60	22.80	sp1	3
## 410		32.00	21.50	sp6	3
## 412		32.20	21.30	sp6	3
## 726		33.30	24.00	sp8	3
## 10		27.40	15.60	sp1	4
## 129		27.10	16.50	sp3	4
## 132		27.00	15.90	sp3	4
## 133		27.00	15.90	sp3	4
## 135		27.10	15.70	sp3	4
## 147		26.50	15.60	sp3	4
## 408		26.90	15.70	sp6	4
## 415		25.90	16.50	sp6	4
## 620		27.20	15.30	sp7	4
## 625		26.90	16.10	sp7	4
## 729		27.50	16.50	sp8	4
## 863		27.50	17.30	sp10	4
## 864		27.10	17.50	sp10	4
## 868		27.10	17.00	sp10	4
## 869		27.40	16.90	sp10	4

## 870	27.40	16.50	sp10	4
## 873	26.40	16.50	sp10	4
## 14	39.20	8.00	sp1	5
## 205	40.10	8.00	sp3	5
## 15	35.60	4.90	sp1	6
## 16	37.30	5.80	sp1	6
## 190	38.40	6.20	sp3	6
## 198	38.90	4.70	sp3	6
## 204	36.80	6.20	sp3	6
## 206	37.10	4.90	sp3	6
## 208	36.20	4.80	sp3	6
## 209	36.00	5.20	sp3	6
## 443	37.00	5.70	sp6	6
## 648	37.10	5.90	sp7	6
## 649	37.30	5.80	sp7	6
## 650	37.00	5.90	sp7	6
## 21	7.20	12.10	sp1	7
## 51	8.50	15.00	sp2	7
## 242	8.80	13.00	sp3	7
## 249	8.50	12.50	sp3	7
## 485	6.60	14.50	sp6	7
## 22	19.30	9.40	sp1	8
## 236	18.80	7.70	sp3	8
## 332	18.20	8.00	sp5	8
## 333	22.50	7.50	sp5	8
## 476	20.50	10.10	sp6	8
## 477	21.00	9.00	sp6	8
## 478	22.40	8.00	sp6	8
## 480	22.40	8.50	sp6	8
## 481	21.00	9.20	sp6	8
## 665	19.00	10.20	sp7	8
## 666	19.00	10.20	sp7	8
## 677	21.50	9.90	sp7	8
## 691	21.10	8.90	sp7	8
## 697	19.70	10.10	sp7	8
## 699	20.30	8.60	sp7	8
## 700	20.50	8.40	sp7	8
## 701	20.70	8.10	sp7	8

## 703	20.90	7.90	sp7	8
## 24	13.60	8.50	sp1	9
## 27	12.10	7.90	sp1	9
## 32	11.60	7.10	sp1	9
## 33	11.40	6.60	sp1	9
## 263	11.60	6.60	sp3	9
## 489	12.50	9.50	sp6	9
## 493	11.60	8.90	sp6	9
## 25	13.70	12.10	sp1	10
## 224	16.90	9.50	sp3	10
## 226	16.30	8.90	sp3	10
## 227	15.90	8.80	sp3	10
## 265	14.60	12.40	sp3	10
## 475	15.20	12.50	sp6	10
## 483	15.10	9.50	sp6	10
## 673	14.40	11.10	sp7	10
## 674	14.40	11.20	sp7	10
## 682	15.70	11.20	sp7	10
## 683	15.50	9.40	sp7	10
## 29	5.30	6.50	sp1	11
## 238	4.60	7.70	sp3	11
## 239	4.90	7.55	sp3	11
## 260	4.70	11.20	sp3	11
## 272	7.20	7.70	sp3	11
## 273	7.10	7.60	sp3	11
## 490	5.50	10.10	sp6	11
## 30	20.90	23.40	sp1	12
## 312	21.70	28.20	sp4	12
## 313	21.70	28.00	sp4	12
## 335	20.80	24.80	sp5	12
## 356	21.70	25.80	sp6	12
## 357	21.70	25.80	sp6	12
## 366	19.30	26.00	sp6	12
## 544	20.50	25.60	sp7	12
## 545	20.50	25.60	sp7	12
## 756	19.80	25.10	sp9	12
## 773	21.40	24.00	sp9	12
## 811	20.00	25.60	sp10	12

## 854	20.80	26.40	sp10	12
## 882	21.40	23.60	sp14	12
## 31	10.60	14.70	sp1	13
## 264	11.20	17.00	sp3	13
## 267	11.00	17.50	sp3	13
## 488	10.10	17.50	sp6	13
## 34	9.50	9.20	sp1	14
## 247	10.40	11.80	sp3	14
## 250	10.10	12.00	sp3	14
## 321	8.20	10.50	sp4	14
## 35	8.70	22.40	sp1	15
## 52	10.10	22.90	sp2	15
## 36	23.80	24.90	sp1	16
## 394	25.80	24.20	sp6	16
## 690	24.80	22.90	sp7	16
## 704	22.30	23.70	sp7	16
## 705	22.80	24.00	sp7	16
## 883	23.50	24.70	sp14	16
## 884	23.60	24.40	sp14	16
## 885	22.30	24.60	sp14	16
## 37	17.50	17.00	sp1	17
## 230	20.50	15.40	sp3	17
## 271	17.40	16.30	sp3	17
## 459	20.20	16.50	sp6	17
## 464	19.30	15.00	sp6	17
## 470	18.90	15.30	sp6	17
## 668	18.80	17.00	sp7	17
## 669	18.80	15.90	sp7	17
## 670	18.50	18.00	sp7	17
## 680	18.90	15.00	sp7	17
## 687	20.80	15.50	sp7	17
## 688	20.80	15.50	sp7	17
## 689	20.80	15.50	sp7	17
## 40	17.60	22.70	sp1	18
## 337	16.00	23.90	sp5	18
## 845	17.30	26.00	sp10	18
## 846	17.80	25.60	sp10	18
## 43	38.00	34.00	sp2	19

## 46	36.20	35.40	sp2	19
## 89	38.70	36.00	sp3	19
## 50	7.00	18.00	sp2	20
## 277	5.50	17.50	sp3	20
## 338	5.10	19.80	sp5	20
## 339	5.10	18.00	sp5	20
## 471	8.00	20.00	sp6	20
## 54	25.10	29.00	sp3	21
## 343	25.30	29.00	sp6	21
## 795	24.10	32.50	sp10	21
## 816	24.10	30.70	sp10	21
## 55	26.60	40.00	sp3	22
## 299	28.50	38.20	sp4	22
## 714	29.00	37.70	sp8	22
## 781	26.50	38.20	sp10	22
## 782	26.50	39.00	sp10	22
## 789	29.00	40.10	sp10	22
## 63	42.00	40.50	sp3	23
## 64	45.10	42.00	sp3	23
## 68	45.30	42.00	sp3	23
## 505	44.50	42.70	sp7	23
## 511	44.80	42.50	sp7	23
## 706	42.50	42.00	sp8	23
## 707	44.80	42.50	sp8	23
## 67	35.00	42.60	sp3	24
## 80	32.60	42.50	sp3	24
## 83	32.00	43.00	sp3	24
## 85	32.40	42.50	sp3	24
## 92	34.40	41.00	sp3	24
## 70	39.00	41.00	sp3	25
## 86	38.80	39.80	sp3	25
## 75	42.50	38.50	sp3	26
## 96	40.40	38.00	sp3	26
## 99	40.60	37.80	sp3	26
## 279	41.60	37.00	sp4	26
## 280	41.80	37.00	sp4	26
## 281	41.80	37.30	sp4	26
## 282	41.90	37.20	sp4	26

## 283	42.30	37.30	sp4	26
## 284	42.40	37.30	sp4	26
## 285	42.50	37.40	sp4	26
## 286	42.50	37.40	sp4	26
## 287	41.70	37.50	sp4	26
## 288	41.40	37.60	sp4	26
## 289	41.90	37.50	sp4	26
## 290	42.20	37.50	sp4	26
## 291	43.90	39.00	sp4	26
## 292	43.80	39.00	sp4	26
## 293	43.70	39.00	sp4	26
## 297	44.00	39.00	sp4	26
## 346	43.80	39.50	sp6	26
## 710	44.10	38.00	sp8	26
## 76	42.00	34.00	sp3	27
## 77	42.00	34.00	sp3	27
## 82	43.70	32.50	sp3	27
## 88	45.20	34.00	sp3	27
## 347	45.00	34.00	sp6	27
## 783	41.00	35.45	sp10	27
## 784	44.40	35.60	sp10	27
## 785	44.00	35.45	sp10	27
## 786	41.30	35.30	sp10	27
## 791	44.90	35.16	sp10	27
## 792	45.00	35.05	sp10	27
## 84	27.20	42.50	sp3	28
## 93	27.70	44.50	sp3	28
## 349	27.50	44.00	sp6	28
## 501	26.60	44.80	sp7	28
## 502	26.50	44.50	sp7	28
## 514	26.00	45.00	sp7	28
## 711	27.10	42.70	sp8	28
## 712	27.10	42.70	sp8	28
## 737	28.60	42.00	sp9	28
## 738	28.70	42.50	sp9	28
## 90	28.90	25.10	sp3	29
## 416	28.50	23.70	sp6	29
## 436	29.70	23.10	sp6	29

## 515	27.00	26.00	sp7	29
## 104	20.40	40.40	sp3	30
## 302	22.30	38.00	sp4	30
## 303	22.30	38.00	sp4	30
## 308	21.20	38.00	sp4	30
## 717	22.10	40.10	sp8	30
## 796	22.50	39.10	sp10	30
## 833	22.90	40.50	sp10	30
## 837	21.20	39.80	sp10	30
## 106	29.00	13.00	sp3	31
## 128	26.40	11.80	sp3	31
## 179	26.20	11.00	sp3	31
## 182	26.20	10.70	sp3	31
## 383	27.40	12.50	sp6	31
## 387	27.70	12.00	sp6	31
## 390	26.50	12.00	sp6	31
## 399	28.00	12.20	sp6	31
## 403	27.60	10.30	sp6	31
## 590	26.60	12.20	sp7	31
## 603	27.20	12.00	sp7	31
## 616	27.10	11.10	sp7	31
## 628	26.10	11.00	sp7	31
## 629	25.90	10.70	sp7	31
## 631	26.40	10.60	sp7	31
## 725	26.80	12.50	sp8	31
## 763	26.00	13.20	sp9	31
## 764	26.00	13.20	sp9	31
## 777	26.00	13.20	sp9	31
## 778	26.00	13.20	sp9	31
## 860	26.00	13.50	sp10	31
## 861	26.00	12.30	sp10	31
## 867	27.00	11.50	sp10	31
## 871	27.20	11.00	sp10	31
## 875	26.00	10.70	sp10	31
## 107	29.00	8.10	sp3	32
## 108	29.10	7.90	sp3	32
## 164	30.40	11.50	sp3	32
## 165	30.40	11.50	sp3	32

##	375	30.80	8.50	sp6	32
##	376	29.80	8.30	sp6	32
##	377	31.00	9.50	sp6	32
##	381	29.50	10.10	sp6	32
##	395	29.30	9.90	sp6	32
##	396	29.10	10.00	sp6	32
##	587	29.30	7.50	sp7	32
##	588	29.30	7.60	sp7	32
##	589	29.20	7.60	sp7	32
##	591	29.10	7.50	sp7	32
##	592	29.10	7.70	sp7	32
##	593	28.60	8.00	sp7	32
##	594	30.10	10.30	sp7	32
##	595	28.50	8.00	sp7	32
##	596	29.50	7.40	sp7	32
##	600	29.80	7.30	sp7	32
##	601	29.80	7.40	sp7	32
##	602	29.90	7.30	sp7	32
##	612	29.40	7.60	sp7	32
##	617	29.40	7.40	sp7	32
##	618	29.40	7.40	sp7	32
##	619	29.30	7.40	sp7	32
##	765	30.00	10.70	sp9	32
##	766	29.45	11.50	sp9	32
##	779	29.45	11.50	sp9	32
##	862	28.80	8.00	sp10	32
##	110	30.60	13.00	sp3	33
##	116	30.90	12.50	sp3	33
##	117	31.00	12.50	sp3	33
##	122	33.00	12.00	sp3	33
##	130	32.00	13.20	sp3	33
##	373	31.40	10.70	sp6	33
##	374	31.40	10.70	sp6	33
##	393	32.60	12.00	sp6	33
##	584	32.50	10.70	sp7	33
##	585	32.50	10.70	sp7	33
##	597	32.00	11.20	sp7	33
##	598	32.00	11.20	sp7	33

##	599	32.00	11.00	sp7	33
##	605	32.70	11.20	sp7	33
##	606	32.70	11.20	sp7	33
##	607	32.60	11.50	sp7	33
##	608	33.00	11.50	sp7	33
##	865	32.10	12.00	sp10	33
##	114	34.20	19.00	sp3	34
##	120	32.90	17.00	sp3	34
##	731	32.80	20.00	sp8	34
##	872	32.30	15.50	sp10	34
##	874	34.40	16.20	sp10	34
##	121	30.50	6.50	sp3	35
##	123	29.70	5.60	sp3	35
##	125	29.70	5.40	sp3	35
##	142	29.10	4.50	sp3	35
##	171	28.60	4.90	sp3	35
##	188	32.90	4.00	sp3	35
##	398	30.10	4.70	sp6	35
##	404	31.50	6.80	sp6	35
##	407	28.80	4.80	sp6	35
##	411	31.20	5.30	sp6	35
##	413	29.30	6.40	sp6	35
##	426	29.10	5.40	sp6	35
##	428	31.80	7.20	sp6	35
##	429	32.10	7.20	sp6	35
##	432	31.90	6.30	sp6	35
##	613	29.90	4.00	sp7	35
##	614	30.10	4.00	sp7	35
##	615	30.20	4.00	sp7	35
##	621	28.40	4.80	sp7	35
##	622	28.40	4.60	sp7	35
##	624	28.90	4.80	sp7	35
##	632	32.30	5.30	sp7	35
##	633	32.40	5.15	sp7	35
##	634	32.50	5.15	sp7	35
##	635	32.60	4.90	sp7	35
##	636	32.50	4.90	sp7	35
##	638	32.10	4.00	sp7	35

## 639	32.10	3.90	sp7	35
## 640	32.00	4.00	sp7	35
## 641	32.00	3.80	sp7	35
## 767	31.00	6.80	sp9	35
## 127	35.00	11.00	sp3	36
## 131	34.40	11.80	sp3	36
## 151	35.50	11.00	sp3	36
## 152	35.50	11.00	sp3	36
## 155	35.60	11.90	sp3	36
## 156	35.60	12.00	sp3	36
## 157	35.60	12.00	sp3	36
## 158	35.60	12.00	sp3	36
## 180	36.90	11.50	sp3	36
## 189	36.90	10.70	sp3	36
## 199	37.00	14.80	sp3	36
## 630	36.90	11.50	sp7	36
## 730	35.40	10.30	sp8	36
## 140	35.90	8.10	sp3	37
## 187	37.00	7.50	sp3	37
## 202	35.20	8.00	sp3	37
## 384	35.20	9.00	sp6	37
## 417	36.20	9.10	sp6	37
## 419	35.20	8.20	sp6	37
## 439	36.60	7.50	sp6	37
## 447	37.00	7.70	sp6	37
## 448	37.60	7.90	sp6	37
## 769	37.90	9.00	sp9	37
## 146	26.90	7.50	sp3	38
## 166	25.60	5.60	sp3	38
## 181	26.50	6.50	sp3	38
## 183	26.10	6.50	sp3	38
## 184	25.30	6.50	sp3	38
## 186	25.30	7.50	sp3	38
## 192	25.10	7.00	sp3	38
## 193	25.10	7.40	sp3	38
## 431	26.00	7.80	sp6	38
## 433	25.30	7.90	sp6	38
## 438	25.50	6.20	sp6	38

## 440	25.30	9.70	sp6	38
## 472	23.60	9.00	sp6	38
## 642	25.20	9.50	sp7	38
## 643	25.10	10.00	sp7	38
## 644	25.40	9.00	sp7	38
## 177	38.00	23.00	sp3	39
## 316	38.20	22.70	sp4	39
## 378	38.20	24.50	sp6	39
## 386	38.10	23.90	sp6	39
## 401	41.50	24.20	sp6	39
## 405	42.00	24.70	sp6	39
## 423	40.80	22.50	sp6	39
## 178	41.40	5.40	sp3	40
## 379	44.10	9.00	sp6	40
## 391	41.50	9.50	sp6	40
## 422	41.90	6.10	sp6	40
## 425	42.10	8.00	sp6	40
## 762	44.10	5.75	sp9	40
## 768	43.40	6.00	sp9	40
## 195	35.80	6.80	sp3	41
## 200	35.10	5.50	sp3	41
## 201	34.90	6.00	sp3	41
## 207	33.70	6.50	sp3	41
## 317	34.70	7.00	sp4	41
## 318	34.40	6.30	sp4	41
## 392	33.10	9.10	sp6	41
## 441	35.00	7.00	sp6	41
## 442	34.90	7.00	sp6	41
## 444	34.30	6.40	sp6	41
## 445	34.20	6.30	sp6	41
## 446	33.60	6.20	sp6	41
## 449	33.90	7.70	sp6	41
## 450	33.70	7.70	sp6	41
## 645	35.10	6.20	sp7	41
## 646	35.00	6.20	sp7	41
## 647	35.00	6.10	sp7	41
## 651	34.00	7.40	sp7	41
## 733	33.70	7.60	sp8	41

##	221	22.50	16.00	sp3	42
##	457	20.50	14.50	sp6	42
##	461	23.10	16.50	sp6	42
##	462	23.10	16.20	sp6	42
##	463	23.30	16.70	sp6	42
##	473	21.90	13.00	sp6	42
##	661	22.00	14.80	sp7	42
##	662	22.10	14.80	sp7	42
##	663	22.20	14.90	sp7	42
##	672	22.00	16.00	sp7	42
##	681	20.30	14.20	sp7	42
##	222	17.60	11.70	sp3	43
##	223	19.50	11.20	sp3	43
##	268	17.50	12.50	sp3	43
##	269	17.40	12.50	sp3	43
##	657	19.50	12.50	sp7	43
##	667	19.00	12.00	sp7	43
##	679	17.90	12.00	sp7	43
##	225	13.60	5.00	sp3	44
##	228	14.60	5.00	sp3	44
##	240	16.80	7.00	sp3	44
##	241	15.40	6.90	sp3	44
##	465	16.50	5.60	sp6	44
##	466	16.90	5.60	sp6	44
##	671	14.60	6.80	sp7	44
##	675	15.70	8.10	sp7	44
##	676	16.00	7.70	sp7	44
##	678	16.50	5.70	sp7	44
##	685	15.40	7.00	sp7	44
##	686	16.20	6.70	sp7	44
##	246	19.80	6.20	sp3	45
##	453	18.40	5.00	sp6	45
##	474	20.00	5.10	sp6	45
##	491	19.50	4.50	sp6	45
##	266	16.40	15.00	sp3	46
##	276	14.90	16.00	sp3	46
##	278	16.40	20.00	sp3	46
##	495	14.00	17.40	sp6	46

## 496	14.10	18.00	sp6	46
## 301	8.50	32.80	sp4	47
## 352	5.70	33.00	sp6	47
## 353	5.80	32.40	sp6	47
## 355	5.60	34.00	sp6	47
## 533	8.60	32.80	sp7	47
## 534	7.70	33.30	sp7	47
## 536	5.30	32.90	sp7	47
## 538	7.30	32.00	sp7	47
## 543	5.70	32.90	sp7	47
## 794	8.10	32.60	sp10	47
## 304	8.20	38.50	sp4	48
## 306	8.20	38.20	sp4	48
## 323	8.40	40.40	sp5	48
## 363	8.30	40.10	sp6	48
## 364	8.20	40.10	sp6	48
## 549	6.50	40.10	sp7	48
## 562	7.20	40.50	sp7	48
## 812	6.50	40.10	sp10	48
## 820	8.90	41.10	sp10	48
## 824	9.70	37.80	sp10	48
## 309	18.90	29.50	sp4	49
## 310	19.20	29.60	sp4	49
## 359	18.00	29.00	sp6	49
## 360	18.40	29.90	sp6	49
## 361	19.40	29.50	sp6	49
## 578	16.40	29.40	sp7	49
## 798	18.80	30.30	sp10	49
## 818	18.10	28.80	sp10	49
## 819	18.40	28.70	sp10	49
## 879	18.10	29.20	sp14	49
## 880	18.20	28.70	sp14	49
## 881	17.80	28.70	sp14	49
## 311	11.10	42.70	sp4	50
## 362	12.90	43.40	sp6	50
## 746	10.10	41.90	sp9	50
## 808	10.60	44.90	sp10	50
## 857	11.00	45.60	sp10	50

## 859	11.10	45.20	sp10	50
## 315	15.90	35.10	sp4	51
## 813	19.70	37.10	sp10	51
## 823	17.50	37.00	sp10	51
## 328	15.70	43.00	sp5	52
## 330	15.40	43.60	sp5	52
## 537	15.10	44.10	sp7	52
## 541	15.70	44.60	sp7	52
## 542	15.60	44.50	sp7	52
## 550	15.30	44.80	sp7	52
## 551	15.40	44.90	sp7	52
## 552	15.00	45.10	sp7	52
## 559	15.30	44.50	sp7	52
## 560	15.30	44.50	sp7	52
## 570	15.70	44.90	sp7	52
## 571	15.60	44.90	sp7	52
## 572	15.70	44.80	sp7	52
## 573	15.60	44.80	sp7	52
## 574	15.60	44.80	sp7	52
## 575	15.50	44.90	sp7	52
## 581	15.20	43.90	sp7	52
## 334	20.20	20.50	sp5	53
## 684	22.50	21.10	sp7	53
## 692	22.20	19.70	sp7	53
## 693	22.40	20.11	sp7	53
## 694	21.20	20.50	sp7	53
## 695	21.20	20.60	sp7	53
## 696	23.60	20.00	sp7	53
## 698	23.20	19.50	sp7	53
## 702	23.50	19.50	sp7	53
## 342	25.40	41.50	sp6	54
## 835	24.40	40.50	sp10	54
## 354	7.50	36.00	sp6	55
## 535	8.60	34.50	sp7	55
## 563	11.30	36.80	sp7	55
## 564	9.00	35.20	sp7	55
## 579	11.00	34.50	sp7	55
## 715	10.00	36.30	sp8	55

## 358	5.90	39.50	sp6	56
## 555	5.20	39.00	sp7	56
## 753	4.40	37.60	sp9	56
## 754	5.00	37.00	sp9	56
## 755	4.90	37.00	sp9	56
## 806	6.40	38.00	sp10	56
## 367	10.50	31.90	sp6	57
## 558	10.70	32.60	sp7	57
## 721	10.40	29.60	sp8	57
## 821	9.50	29.00	sp10	57
## 822	9.80	30.90	sp10	57
## 831	9.00	28.50	sp10	57
## 832	9.10	28.60	sp10	57
## 368	18.80	31.00	sp6	58
## 371	19.10	32.50	sp6	58
## 539	18.70	30.70	sp7	58
## 540	18.70	30.70	sp7	58
## 556	20.10	30.10	sp7	58
## 580	18.90	31.00	sp7	58
## 724	17.60	31.10	sp8	58
## 799	19.00	30.70	sp10	58
## 800	18.90	30.80	sp10	58
## 801	19.70	30.80	sp10	58
## 804	20.60	31.70	sp10	58
## 814	21.30	31.20	sp10	58
## 848	18.80	31.00	sp10	58
## 849	18.80	31.10	sp10	58
## 858	19.80	32.40	sp10	58
## 369	14.20	40.20	sp6	59
## 370	14.10	40.20	sp6	59
## 740	13.30	38.50	sp9	59
## 853	16.00	40.70	sp10	59
## 382	28.80	18.00	sp6	60
## 388	29.70	16.20	sp6	60
## 389	29.80	16.10	sp6	60
## 402	31.10	17.50	sp6	60
## 409	30.70	16.20	sp6	60
## 728	30.40	18.30	sp8	60

## 770	28.80	19.80	sp9	60
## 437	42.10	18.10	sp6	61
## 877	42.20	18.00	sp10	61
## 878	43.70	17.40	sp10	61
## 452	23.90	12.00	sp6	62
## 454	24.40	13.00	sp6	62
## 455	24.40	13.00	sp6	62
## 456	23.60	10.70	sp6	62
## 458	21.80	12.00	sp6	62
## 469	21.40	11.00	sp6	62
## 658	23.60	11.20	sp7	62
## 659	23.40	10.80	sp7	62
## 660	23.90	10.70	sp7	62
## 664	21.40	12.00	sp7	62
## 568	24.00	37.60	sp7	63
## 797	24.90	35.60	sp10	63
## 810	24.90	35.70	sp10	63
## 577	10.90	25.70	sp7	64
## 718	10.90	25.50	sp8	64
## 719	10.90	25.40	sp8	64
## 838	11.00	27.00	sp10	64
## 839	11.00	27.00	sp10	64
## 840	10.90	26.40	sp10	64
## 841	10.90	26.20	sp10	64
## 583	13.80	31.70	sp7	65
## 829	14.70	30.10	sp10	65
## 834	15.30	31.40	sp10	65
## 836	13.90	31.10	sp10	65
## 713	37.00	29.00	sp8	66

Determining the Appropriate Clustering Scale for Classifying Minor Communities via HC Clustering Based on Point Pattern Analysis

Description

Determine the appropriate clustering scale for classifying Minor Communities via HC clustering using the method of point pattern analysis.

Usage

`hc_m_community_scale_select(entity, minx, miny, maxx, maxy, window, two_nested_clu = FALSE)`

Arguments

`entity` Distribution coordinates and species information of plant individuals

`minx` Minimum x-value of the study range

`miny` Minimum y-value of the study range

`maxx` Maximum x-value of the study range

`maxy` Maximum y-value of the study range

`window` Window size for point pattern analysis

`two_nested_clu` Logical variable (T or F) indicating whether to simulate the two-scale nested Thomas process

Value

Clustering scale

Examples

```
entity=M.COMMUNITIES::entity
M.COMMUNITIES::hc_m_community_scale_select(entity,minx=0,miny=0,maxx=50,maxy=50>window=35,two_nested_clu=T)
```

```
## Warning: 程序包' minpack.lm' 是用R版本4.4.3 来建造的
```

```
## Warning: 程序包' spatstat' 是用R版本4.4.3 来建造的
```

```
## 载入需要的程序包: spatstat.data
```

```
## Warning: 程序包' spatstat.data' 是用R版本4.4.3 来建造的
```

```
## 载入需要的程序包： spatstat.univar
```

```
## Warning: 程序包' spatstat.univar' 是用R版本4.4.3 来建造的
```

```
## spatstat.univar 3.1-2
```

```
## 载入需要的程序包： spatstat.geom
```

```
## Warning: 程序包' spatstat.geom' 是用R版本4.4.3 来建造的
```

```
## spatstat.geom 3.3-6
```

```
##  
## 载入程序包： ' spatstat.geom'
```

```
## The following objects are masked from 'package:ape':  
##  
## edges, rotate
```

```
## The following object is masked from 'package:ade4':  
##  
## disc
```

```
## 载入需要的程序包： spatstat.random
```

```
## Warning: 程序包' spatstat.random' 是用R版本4.4.3 来建造的
```

```
## spatstat.random 3.3-3
```

```
## 载入需要的程序包： spatstat.explore
```

```
## Warning: 程序包' spatstat.explore'是用R版本4.4.3 来建造的
```

```
## spatstat.explore 3.4-2
```

```
##  
## 载入程序包： ' spatstat.explore'
```

```
## The following object is masked from 'package:lattice':  
##  
##      panel.histogram
```

```
## 载入需要的程序包： spatstat.model
```

```
## Warning: 程序包' spatstat.model'是用R版本4.4.3 来建造的
```

```
## 载入需要的程序包： rpart
```

```
## spatstat.model 3.3-5
```

```
##  
## 载入程序包： ' spatstat.model'
```

```
## The following object is masked from 'package:lattice':  
##  
##      panel.histogram
```

```
## 载入需要的程序包： spatstat.linnet
```

```
## Warning: 程序包' spatstat.linnet' 是用R版本4.4.3 来建造的
```

```
## spatstat.linnet 3.2-5
```

```
##  
## spatstat 3.3-2  
## For an introduction to spatstat, type 'beginner'
```

```
## Warning: 程序包' zoo' 是用R版本4.4.3 来建造的
```

```
##  
## 载入程序包: ' zoo'
```

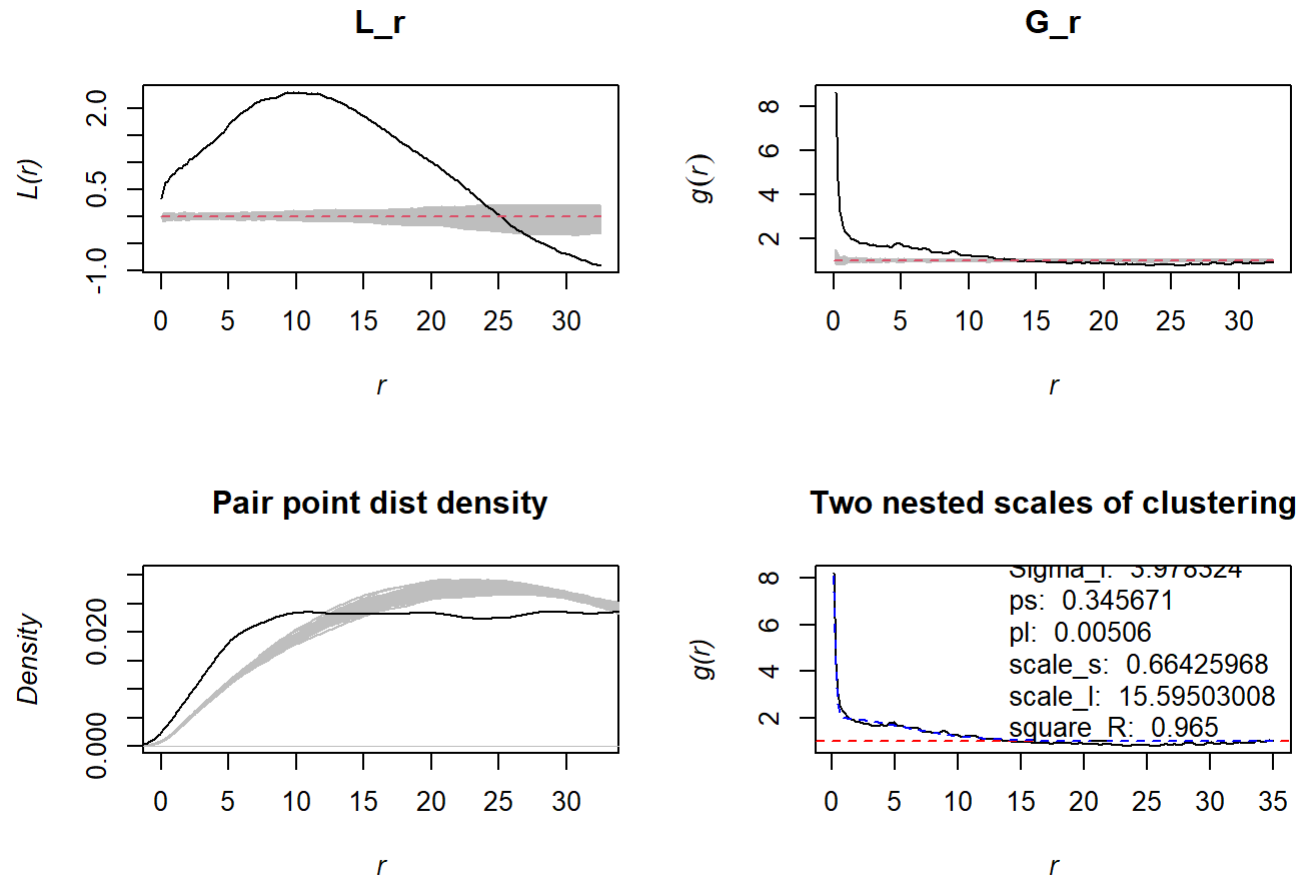
```
## The following objects are masked from 'package:base':  
##  
##      as.Date, as.Date.numeric
```

```
## Warning: data contain duplicated points
```

```
## Generating 99 simulations of CSR ...
## 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20,
## 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40,
## 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60,
## 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80,
## 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98,
## 99.
##
## Done.
## Generating 99 simulations of CSR ...
## 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20,
## 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40,
## 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60,
## 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80,
## 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98,
## 99.
##
## Done.
```

```
## Warning: data contain duplicated points
```

```
## [1] "OK"
```



Plotting the Distribution Map of Minor Communities Classified by HC Clustering

Description

Plot the distribution map of Minor Communities classified by HC clustering.

Usage

```
plot_hc_m_community_classification(entity, minx, miny, maxx, maxy, scale, edge)
```

Arguments

entity Distribution coordinates and species information of plant individuals

minx Core area boundary, minimum x-value

miny Core area boundary, minimum y-value

maxx Core area boundary, maximum x-value

maxy Core area boundary, maximum y-value

scale scale parameter for HC clustering

edge Method for filtering Minor Communities based on boundaries, with options “inside” and “centroid”

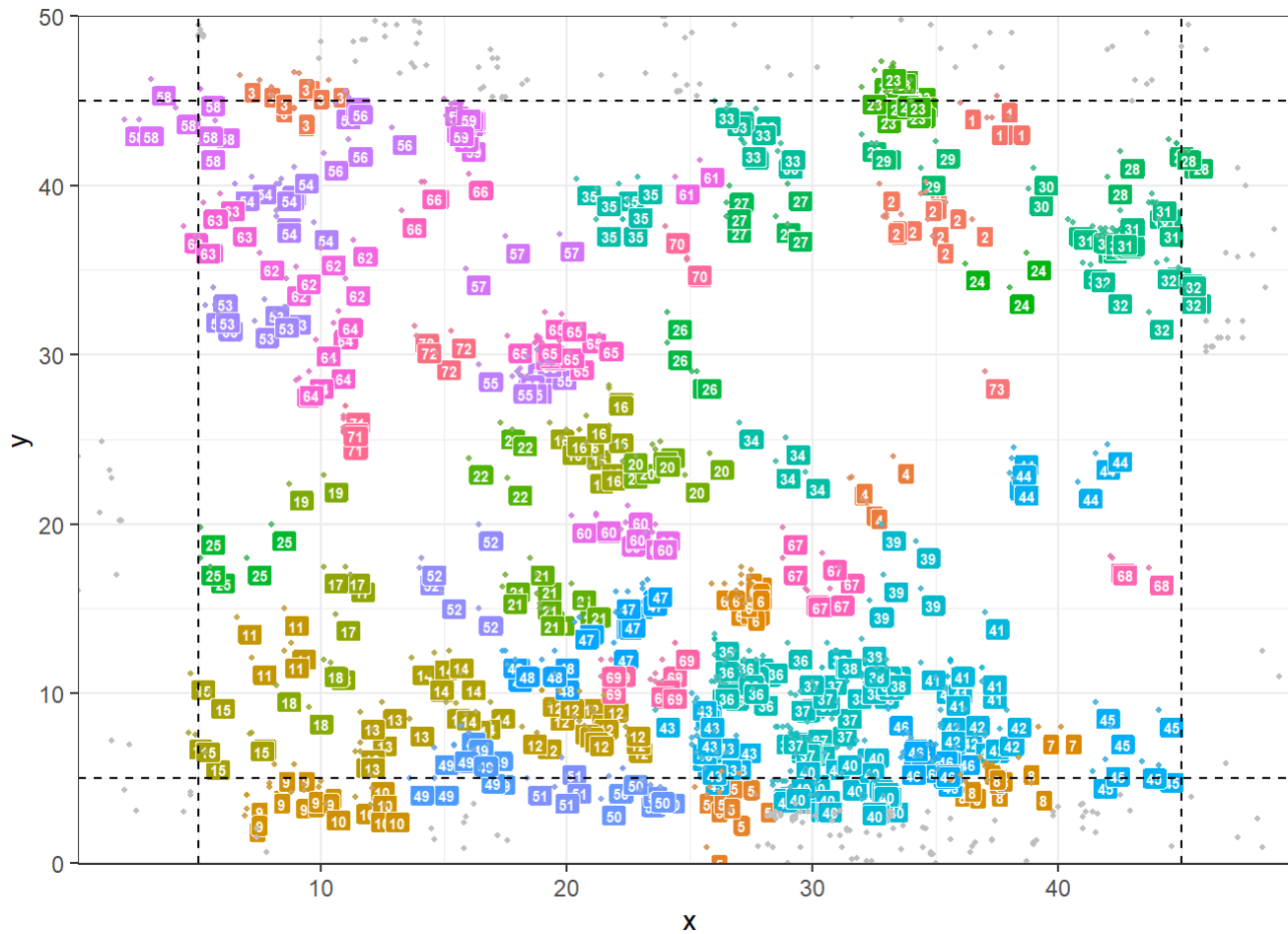
Value

Spatial distribution map of Minor Communities

Examples

```
entity=M.COMMUNITIES::entity  
M.COMMUNITIES::plot_hc_m_community_classification(entity,minx=5,miny=5,maxx=45,maxy=45,scale=5,edge="inside")
```

```
## Warning: 程序包'ggplot2'是用R版本4.4.3 来建造的
```



Calculating Species Diversity Indices of Minor Communities Classified by DBSCAN Clustering

Description

Calculate the species diversity indices of Minor Communities classified by DBSCAN clustering.

Usage

```
sdiversity_dbscan_m_communities(entity, minx, miny, maxx, maxy, eps, minPts, edge)
```


Arguments

entity Distribution coordinates and species information of plant individuals

minx Core area boundary, minimum x-value

miny Core area boundary, minimum y-value

maxx Core area boundary, maximum x-value

maxy Core area boundary, maximum y-value

eps eps parameter for DBSCAN clustering

minPts minPts parameter for DBSCAN clustering

edge Method for filtering Minor Communities based on boundaries, with options “inside” and “centroid”

Value

Species diversity indices

Examples

```
entity=M.COMMUNITIES::entity  
M.COMMUNITIES::sdiversity_dbscan_m_communities(entity,minx=5,miny=5,maxx=45,maxy=45,eps=2,minPts=1,edge="centroid")
```

##		sp1	sp10	sp14	sp2	sp3	sp4	sp5	sp6	sp7	sp8	sp9	Shannon
## m_community 1	1	1	0	0	0	7	5	0	1	0	0	0	1.0913030
## m_community 2	21	8	0	2	139	2	2	95	108	3	14	1.5368779	
## m_community 3	2	0	0	0	2	0	0	4	0	1	0	1.2730283	
## m_community 4	1	8	0	0	6	0	0	7	2	2	1	1.6743536	
## m_community 5	2	0	0	0	4	1	0	0	0	0	0	0.9556999	
## m_community 6	2	4	4	0	0	2	1	4	5	0	2	1.9763203	
## m_community 7	1	0	0	0	0	0	0	0	0	0	0	0.0000000	
## m_community 8	1	0	0	1	0	0	0	0	0	0	0	0.6931472	
## m_community 9	1	0	0	0	0	0	0	0	0	0	0	0.0000000	
## m_community 10	0	0	0	1	0	0	0	0	0	0	0	0.0000000	
## m_community 11	0	0	0	1	0	0	0	0	0	0	0	0.0000000	
## m_community 12	0	0	0	1	1	0	2	0	0	0	0	1.0397208	
## m_community 13	0	0	0	1	0	0	0	1	0	0	0	0.6931472	
## m_community 14	0	2	0	0	1	0	0	1	0	0	0	1.0397208	
## m_community 15	0	11	0	0	5	4	0	4	7	4	2	1.8253170	
## m_community 16	0	0	0	0	1	0	0	0	0	1	0	0.6931472	
## m_community 17	0	0	0	0	2	0	0	0	2	1	0	1.0549202	
## m_community 18	0	0	0	0	2	0	0	0	0	0	0	0.0000000	
## m_community 19	0	2	0	0	5	16	0	1	0	1	0	1.0670797	
## m_community 20	0	4	0	0	2	0	0	1	0	0	0	0.9556999	
## m_community 21	0	0	0	0	1	0	0	0	0	0	0	0.0000000	
## m_community 22	0	0	0	0	1	1	0	2	0	0	0	1.0397208	
## m_community 23	0	0	0	0	1	0	0	0	0	0	0	0.0000000	
## m_community 24	0	0	0	0	1	0	0	1	0	0	0	0.6931472	
## m_community 25	0	0	0	0	2	0	0	1	0	0	0	0.6365142	
## m_community 26	0	0	0	0	2	0	0	0	0	0	0	0.0000000	
## m_community 27	0	0	0	0	1	0	0	0	0	0	0	0.0000000	
## m_community 28	0	5	0	0	0	4	1	8	11	1	4	1.6984216	
## m_community 29	0	14	3	0	0	2	0	5	6	1	0	1.4847395	
## m_community 30	0	0	0	0	0	1	0	0	0	0	0	0.0000000	
## m_community 31	0	0	0	0	0	0	1	0	8	0	0	0.3488321	
## m_community 32	0	0	0	0	0	0	1	0	0	0	0	0.0000000	
## m_community 33	0	4	0	0	0	0	0	1	2	1	0	1.2130076	
## m_community 34	0	1	0	0	0	0	0	2	0	0	1	1.0397208	
## m_community 35	0	0	0	0	0	0	0	1	0	0	0	0.0000000	
## m_community 36	0	0	0	0	0	0	0	3	0	0	0	0.0000000	
## m_community 37	0	2	0	0	0	0	0	1	0	0	0	0.6365142	

```

## m_community 38 0 0 0 0 0 0 0 1 0 0 0 0.0000000
## m_community 39 0 0 0 0 0 0 0 0 1 0 0 0.0000000
## m_community 40 0 4 0 0 0 0 0 0 1 2 0 0.9556999
## m_community 41 0 0 0 0 0 0 0 0 0 1 0 0.0000000
## m_community 42 0 0 0 0 0 0 0 0 0 1 0 0.0000000
## m_community 43 0 2 0 0 0 0 0 0 0 0 0 0.0000000
## m_community 44 0 1 0 0 0 0 0 0 0 0 0 0.0000000
## Simpson Pielou_E Max_relative_richness
## m_community 1 0.6122449 0.4551087 0.5000000
## m_community 2 0.7376124 0.6409279 0.3527919
## m_community 3 0.6913580 0.5308941 0.4444444
## m_community 4 0.7818930 0.6982597 0.2962963
## m_community 5 0.5714286 0.3985578 0.5714286
## m_community 6 0.8506944 0.8241896 0.2083333
## m_community 7 0.0000000 0.0000000 1.0000000
## m_community 8 0.5000000 0.2890648 0.5000000
## m_community 9 0.0000000 0.0000000 1.0000000
## m_community 10 0.0000000 0.0000000 1.0000000
## m_community 11 0.0000000 0.0000000 1.0000000
## m_community 12 0.6250000 0.4335972 0.5000000
## m_community 13 0.5000000 0.2890648 0.5000000
## m_community 14 0.6250000 0.4335972 0.5000000
## m_community 15 0.8195763 0.7612163 0.2972973
## m_community 16 0.5000000 0.2890648 0.5000000
## m_community 17 0.6400000 0.4399359 0.4000000
## m_community 18 0.0000000 0.0000000 1.0000000
## m_community 19 0.5408000 0.4450068 0.6400000
## m_community 20 0.5714286 0.3985578 0.5714286
## m_community 21 0.0000000 0.0000000 1.0000000
## m_community 22 0.6250000 0.4335972 0.5000000
## m_community 23 0.0000000 0.0000000 1.0000000
## m_community 24 0.5000000 0.2890648 0.5000000
## m_community 25 0.4444444 0.2654470 0.6666667
## m_community 26 0.0000000 0.0000000 1.0000000
## m_community 27 0.0000000 0.0000000 1.0000000
## m_community 28 0.7889273 0.7082968 0.3235294
## m_community 29 0.7180021 0.6191844 0.4516129
## m_community 30 0.0000000 0.0000000 1.0000000

```

```
## m_community 31 0.1975309 0.1454743 0.8888889
## m_community 32 0.0000000 0.0000000 1.0000000
## m_community 33 0.6562500 0.5058634 0.5000000
## m_community 34 0.6250000 0.4335972 0.5000000
## m_community 35 0.0000000 0.0000000 1.0000000
## m_community 36 0.0000000 0.0000000 1.0000000
## m_community 37 0.4444444 0.2654470 0.6666667
## m_community 38 0.0000000 0.0000000 1.0000000
## m_community 39 0.0000000 0.0000000 1.0000000
## m_community 40 0.5714286 0.3985578 0.5714286
## m_community 41 0.0000000 0.0000000 1.0000000
## m_community 42 0.0000000 0.0000000 1.0000000
## m_community 43 0.0000000 0.0000000 1.0000000
## m_community 44 0.0000000 0.0000000 1.0000000
```

Calculating Species Diversity Indices of Minor Communities Classified by HC Clustering

Description

Calculate the species diversity indices of Minor Communities classified by HC clustering.

Usage

`sdiversity_hc_m_communities(entity, minx, miny, maxx, maxy, scale, edge)`

Arguments

`entity` Distribution coordinates and species information of plant individuals

`minx` Core area boundary, minimum x-value

`miny` Core area boundary, minimum y-value

`maxx` Core area boundary, maximum x-value

`maxy` Core area boundary, maximum y-value

scale Scale for HC clustering

edge Method for filtering Minor Communities based on boundaries, with options “inside” and “centroid”

Value

Species diversity indices

Examples

```
entity=M.COMMUNITIES::entity  
M.COMMUNITIES::sdiversity_hc_m_communities(entity,minx=5,miny=5,maxx=45,maxy=45,scale=5,edge="centroid")
```

##		sp1	sp10	sp14	sp2	sp3	sp4	sp5	sp6	sp7	sp8	sp9	Shannon
##	m_community 1	1	0	0	1	1	0	0	1	0	0	1	1.6094379
##	m_community 2	1	0	0	0	5	5	0	1	0	0	0	1.1437084
##	m_community 3	2	0	0	0	0	0	0	2	0	1	0	1.0549202
##	m_community 4	1	6	0	0	5	0	0	2	2	1	0	1.5643701
##	m_community 5	1	0	0	0	1	0	0	0	0	0	0	0.6931472
##	m_community 6	2	0	0	0	6	0	0	1	3	0	0	1.1988493
##	m_community 7	1	0	0	1	2	0	0	1	0	0	0	1.3321790
##	m_community 8	1	0	0	0	1	0	2	5	9	0	0	1.2676770
##	m_community 9	4	0	0	0	1	0	0	2	0	0	0	0.9556999
##	m_community 10	1	0	0	0	4	0	0	2	4	0	0	1.2636544
##	m_community 11	1	0	0	0	5	0	0	1	0	0	0	0.7963116
##	m_community 12	1	2	1	0	0	2	1	3	2	0	2	2.0075563
##	m_community 13	1	0	0	0	2	0	0	1	0	0	0	1.0397208
##	m_community 14	1	0	0	0	2	1	0	0	0	0	0	1.0397208
##	m_community 15	1	0	0	1	0	0	0	0	0	0	0	0.6931472
##	m_community 16	1	0	3	0	0	0	0	1	3	0	0	1.2554823
##	m_community 17	1	0	0	0	2	0	0	3	7	0	0	1.1569876
##	m_community 18	1	2	0	0	0	0	1	0	0	0	0	1.0397208
##	m_community 19	0	0	0	2	1	0	0	0	0	0	0	0.6365142
##	m_community 20	0	0	0	1	1	0	2	1	0	0	0	1.3321790
##	m_community 21	0	2	0	0	1	0	0	1	0	0	0	1.0397208
##	m_community 22	0	3	0	0	1	1	0	0	0	1	0	1.2424533
##	m_community 23	0	0	0	0	3	0	0	0	2	2	0	1.0789922
##	m_community 24	0	0	0	0	5	0	0	0	0	0	0	0.0000000
##	m_community 25	0	0	0	0	2	0	0	0	0	0	0	0.0000000
##	m_community 26	0	0	0	0	3	16	0	1	0	1	0	0.7751293
##	m_community 27	0	6	0	0	4	0	0	1	0	0	0	0.9164649
##	m_community 28	0	0	0	0	2	0	0	1	3	2	2	1.5571131
##	m_community 29	0	0	0	0	1	0	0	2	1	0	0	1.0397208
##	m_community 30	0	3	0	0	1	3	0	0	0	1	0	1.2554823
##	m_community 31	0	5	0	0	4	0	0	5	6	1	4	1.7014642
##	m_community 32	0	1	0	0	4	0	0	6	16	0	3	1.2694310
##	m_community 33	0	1	0	0	5	0	0	3	9	0	0	1.1615913
##	m_community 34	0	2	0	0	2	0	0	0	0	1	0	1.0549202
##	m_community 35	0	0	0	0	6	0	0	9	15	0	1	1.1389443
##	m_community 36	0	0	0	0	11	0	0	0	1	1	0	0.5359610
##	m_community 37	0	0	0	0	3	0	0	6	0	0	1	0.8979457

```

## m_community 38 0 0 0 0 8 0 0 5 3 0 0 1.0239288
## m_community 39 0 0 0 0 1 1 0 5 0 0 0 0.7963116
## m_community 40 0 0 0 0 1 0 0 4 0 0 2 0.9556999
## m_community 41 0 0 0 0 4 2 0 8 4 1 0 1.4122189
## m_community 42 0 0 0 0 1 0 0 5 5 0 0 0.9347699
## m_community 43 0 0 0 0 4 0 0 0 3 0 0 0.6829081
## m_community 44 0 0 0 0 4 0 0 2 6 0 0 1.0114043
## m_community 45 0 0 0 0 1 0 0 3 0 0 0 0.5623351
## m_community 46 0 0 0 0 3 0 0 2 0 0 0 0.6730117
## m_community 47 0 1 0 0 0 1 0 3 5 0 0 1.1682825
## m_community 48 0 3 0 0 0 2 1 2 2 0 0 1.5571131
## m_community 49 0 3 3 0 0 2 0 3 1 0 0 1.5454229
## m_community 50 0 3 0 0 0 1 0 1 0 0 1 1.2424533
## m_community 51 0 2 0 0 0 1 0 0 0 0 0 0.6365142
## m_community 52 0 0 0 0 0 0 2 0 15 0 0 0.3622106
## m_community 53 0 0 0 0 0 0 1 0 8 0 0 0.3488321
## m_community 54 0 1 0 0 0 0 0 1 0 0 0 0.6931472
## m_community 55 0 0 0 0 0 0 0 1 4 1 0 0.8675632
## m_community 56 0 1 0 0 0 0 0 1 1 0 3 1.2424533
## m_community 57 0 4 0 0 0 0 0 1 1 1 0 1.1537419
## m_community 58 0 8 0 0 0 0 0 2 4 1 0 1.1369166
## m_community 59 0 1 0 0 0 0 0 2 0 0 1 1.0397208
## m_community 60 0 0 0 0 0 0 0 5 0 1 1 0.7963116
## m_community 61 0 2 0 0 0 0 0 1 0 0 0 0.6365142
## m_community 62 0 0 0 0 0 0 0 6 4 0 0 0.6730117
## m_community 63 0 2 0 0 0 0 0 0 1 0 0 0.6365142
## m_community 64 0 4 0 0 0 0 0 0 1 2 0 0.9556999
## m_community 65 0 3 0 0 0 0 0 0 1 0 0 0.5623351
## m_community 66 0 0 0 0 0 0 0 0 0 1 0 0.0000000
##
## Simpson Pielou_E Max_relative_richness
## m_community 1 0.8000000 0.6711877 0.2000000
## m_community 2 0.6388889 0.4769634 0.4166667
## m_community 3 0.6400000 0.4399359 0.4000000
## m_community 4 0.7543253 0.6523930 0.3529412
## m_community 5 0.5000000 0.2890648 0.5000000
## m_community 6 0.6527778 0.4999590 0.5000000
## m_community 7 0.7200000 0.5555618 0.4000000
## m_community 8 0.6543210 0.5286624 0.5000000

```

## m_community	9	0.5714286	0.3985578	0.5714286
## m_community	10	0.6942149	0.5269848	0.3636364
## m_community	11	0.4489796	0.3320877	0.7142857
## m_community	12	0.8571429	0.8372160	0.2142857
## m_community	13	0.6250000	0.4335972	0.5000000
## m_community	14	0.6250000	0.4335972	0.5000000
## m_community	15	0.5000000	0.2890648	0.5000000
## m_community	16	0.6875000	0.5235768	0.3750000
## m_community	17	0.6272189	0.4825013	0.5384615
## m_community	18	0.6250000	0.4335972	0.5000000
## m_community	19	0.4444444	0.2654470	0.6666667
## m_community	20	0.7200000	0.5555618	0.4000000
## m_community	21	0.6250000	0.4335972	0.5000000
## m_community	22	0.6666667	0.5181433	0.5000000
## m_community	23	0.6530612	0.4499747	0.4285714
## m_community	24	0.0000000	0.0000000	1.0000000
## m_community	25	0.0000000	0.0000000	1.0000000
## m_community	26	0.3945578	0.3232540	0.7619048
## m_community	27	0.5619835	0.3821955	0.5454545
## m_community	28	0.7800000	0.6493666	0.3000000
## m_community	29	0.6250000	0.4335972	0.5000000
## m_community	30	0.6875000	0.5235768	0.3750000
## m_community	31	0.8096000	0.7095657	0.2400000
## m_community	32	0.6466667	0.5293939	0.5333333
## m_community	33	0.6419753	0.4844212	0.5000000
## m_community	34	0.6400000	0.4399359	0.4000000
## m_community	35	0.6430801	0.4749767	0.4838710
## m_community	36	0.2721893	0.2235131	0.8461538
## m_community	37	0.5400000	0.3744725	0.6000000
## m_community	38	0.6171875	0.4270115	0.5000000
## m_community	39	0.4489796	0.3320877	0.7142857
## m_community	40	0.5714286	0.3985578	0.5714286
## m_community	41	0.7202216	0.5889410	0.4210526
## m_community	42	0.5785124	0.3898293	0.4545455
## m_community	43	0.4897959	0.2847948	0.5714286
## m_community	44	0.6111111	0.4217883	0.5000000
## m_community	45	0.3750000	0.2345120	0.7500000
## m_community	46	0.4800000	0.2806677	0.6000000


```
## m_community 47 0.6400000 0.4872116 0.5000000
## m_community 48 0.7800000 0.6493666 0.3000000
## m_community 49 0.7777778 0.6444914 0.2500000
## m_community 50 0.6666667 0.5181433 0.5000000
## m_community 51 0.4444444 0.2654470 0.6666667
## m_community 52 0.2076125 0.1510535 0.8823529
## m_community 53 0.1975309 0.1454743 0.8888889
## m_community 54 0.5000000 0.2890648 0.5000000
## m_community 55 0.5000000 0.3618020 0.6666667
## m_community 56 0.6666667 0.5181433 0.5000000
## m_community 57 0.6122449 0.4811478 0.5714286
## m_community 58 0.6222222 0.4741310 0.5333333
## m_community 59 0.6250000 0.4335972 0.5000000
## m_community 60 0.4489796 0.3320877 0.7142857
## m_community 61 0.4444444 0.2654470 0.6666667
## m_community 62 0.4800000 0.2806677 0.6000000
## m_community 63 0.4444444 0.2654470 0.6666667
## m_community 64 0.5714286 0.3985578 0.5714286
## m_community 65 0.3750000 0.2345120 0.7500000
## m_community 66 0.0000000 0.0000000 1.0000000
```

Calculating the Standardized Effect Size of Mean Pairwise Trait Distances (SES.MPD) of Minor Communities Classified by DBSCAN Clustering

Description

Calculate the standardized effect size of mean pairwise trait distances (SES.MPD) of Minor Communities classified by DBSCAN clustering.

Usage

`sesmpd_dbscan_m_communities(entity, traits, minx, miny, maxx, maxy, eps, minPts, replicate, edge)`

Arguments

entity Distribution coordinates and species information of plant individuals

traits Functional traits of species

minx Core area boundary, minimum x-value

miny Core area boundary, minimum y-value

maxx Core area boundary, maximum x-value

maxy Core area boundary, maximum y-value

eps eps parameter for DBSCAN clustering

minPts minPts parameter for DBSCAN clustering

replicate Number of null model replications

edge Method for filtering Minor Communities based on boundaries, with options “inside” and “centroid”

Value

Standardized effect size of mean pairwise trait distances

Examples

```
entity=M.COMMUNITIES::entity
traits=M.COMMUNITIES::traits
M.COMMUNITIES::sesmpd_dbscan_m_communities(entity, traits, minx=5, miny=5, maxx=45, maxy=45, eps=2, minPts=1, replicate=99, edge="inside")
```

##		sp1	sp10	sp14	sp2	sp3	sp4	sp5	sp6	sp7	sp8	sp9	mpd_obv
## m_community 1	1	1	0	0	4	14	0	0	1	9	0	2	0.24013983
## m_community 2	1	1	0	0	0	7	5	0	1	0	0	0	0.18541698
## m_community 3	2	15	0	0	2	3	5	1	2	2	12	0.19593573	
## m_community 4	21	8	0	2	139	2	2	95	108	3	14	0.23984756	
## m_community 5	2	0	0	0	2	0	0	4	0	1	0	0.24655049	
## m_community 6	1	8	0	0	6	0	0	7	2	2	1	0.24191669	
## m_community 7	2	0	0	0	4	1	0	0	0	0	0	0.15555886	
## m_community 8	1	0	0	0	2	0	0	0	0	0	0	0.09300374	
## m_community 9	2	4	4	0	0	2	1	4	5	0	2	0.27710998	
## m_community 10	1	0	0	0	0	0	0	0	0	0	0	0.00000000	
## m_community 11	1	0	0	1	0	0	0	0	0	0	0	0.10044778	
## m_community 12	1	0	0	0	0	0	0	0	0	0	0	0.00000000	
## m_community 13	0	0	0	1	0	0	0	0	0	0	0	0.00000000	
## m_community 14	0	0	0	1	0	0	0	0	0	0	0	0.00000000	
## m_community 15	0	0	0	1	1	0	2	0	0	0	0	0.26884303	
## m_community 16	0	0	0	1	0	0	0	1	0	0	0	0.17525100	
## m_community 17	0	2	0	0	1	0	0	1	0	0	0	0.17712265	
## m_community 18	0	11	0	0	5	4	0	4	7	4	2	0.24335992	
## m_community 19	0	0	0	0	1	0	0	0	0	1	0	0.28460715	
## m_community 20	0	0	0	0	2	0	0	0	2	1	0	0.27537577	
## m_community 21	0	0	0	0	2	0	0	0	0	0	0	0.00000000	
## m_community 22	0	2	0	0	5	16	0	1	0	1	0	0.15302001	
## m_community 23	0	4	0	0	2	0	0	1	0	0	0	0.17400752	
## m_community 24	0	0	0	0	1	0	0	0	0	0	0	0.00000000	
## m_community 25	0	6	0	0	1	0	4	0	19	2	0	0.18423288	
## m_community 26	0	0	0	0	1	1	0	2	0	0	0	0.15285779	
## m_community 27	0	0	0	0	1	0	0	0	0	0	0	0.00000000	
## m_community 28	0	0	0	0	1	0	0	1	0	0	0	0.14898109	
## m_community 29	0	0	0	0	2	0	0	1	0	0	0	0.13242764	
## m_community 30	0	0	0	0	2	0	0	0	0	0	0	0.00000000	
## m_community 31	0	0	0	0	1	0	0	0	0	0	0	0.00000000	
## m_community 32	0	5	0	0	0	4	1	8	11	1	4	0.18364261	
## m_community 33	0	14	3	0	0	2	0	5	6	1	0	0.21399937	
## m_community 34	0	0	0	0	0	1	0	0	0	0	0	0.00000000	
## m_community 35	0	0	0	0	0	0	1	0	8	0	0	0.05803023	
## m_community 36	0	0	0	0	0	0	1	0	0	0	0	0.00000000	
## m_community 37	0	4	0	0	0	0	0	1	2	1	0	0.19387095	

```

## m_community 38 0 1 0 0 0 0 0 2 0 0 1 0.10929611
## m_community 39 0 0 0 0 0 0 0 1 0 0 0 0.00000000
## m_community 40 0 0 0 0 0 0 0 3 0 0 0 0.00000000
## m_community 41 0 2 0 0 0 0 0 1 0 0 0 0.08986848
## m_community 42 0 0 0 0 0 0 0 1 0 0 0 0.00000000
## m_community 43 0 0 0 0 0 0 0 0 1 0 0 0.00000000
## m_community 44 0 4 0 0 0 0 0 0 1 2 0 0.19402401
## m_community 45 0 0 0 0 0 0 0 0 0 1 0 0.00000000
## m_community 46 0 0 0 0 0 0 0 0 0 1 0 0.00000000
## m_community 47 0 2 0 0 0 0 0 0 0 0 0 0.00000000
## m_community 48 0 1 0 0 0 0 0 0 0 0 0 0.00000000
## null_mpd_mean null_mpd_std ses_MPD
## m_community 1 0.2569147 0.017914318 0.9363923
## m_community 2 0.2447679 0.027709784 2.1418765
## m_community 3 0.2615590 0.013185446 4.9769443
## m_community 4 0.2636000 0.004297235 5.5273849
## m_community 5 0.2348498 0.030169464 -0.3878333
## m_community 6 0.2568954 0.016632673 0.9005610
## m_community 7 0.2241205 0.039707269 1.7266763
## m_community 8 0.1915135 0.060767303 1.6210990
## m_community 9 0.2544623 0.018694502 -1.2114606
## m_community 10 0.0000000 0.000000000 0.0000000
## m_community 11 0.1392046 0.072205047 0.5367600
## m_community 12 0.0000000 0.000000000 0.0000000
## m_community 13 0.0000000 0.000000000 0.0000000
## m_community 14 0.0000000 0.000000000 0.0000000
## m_community 15 0.1945205 0.054544525 -1.3626033
## m_community 16 0.1391007 0.074796644 -0.4833144
## m_community 17 0.1928301 0.052263947 0.3005403
## m_community 18 0.2581716 0.015113813 0.9800091
## m_community 19 0.1356325 0.076910919 -1.9369760
## m_community 20 0.2006193 0.043895204 -1.7030663
## m_community 21 0.1369928 0.074450325 1.8400569
## m_community 22 0.2527721 0.015497251 6.4367579
## m_community 23 0.2212498 0.037244818 1.2684246
## m_community 24 0.0000000 0.000000000 0.0000000
## m_community 25 0.2563641 0.015959050 4.5197701
## m_community 26 0.1916970 0.058621993 0.6625361

```

```
## m_community 27    0.0000000  0.000000000  0.0000000
## m_community 28    0.1236848  0.079999744 -0.3162052
## m_community 29    0.1790012  0.061791123  0.7537264
## m_community 30    0.1284288  0.082081364  1.5646520
## m_community 31    0.0000000  0.000000000  0.0000000
## m_community 32    0.2577078  0.014757316  5.0188776
## m_community 33    0.2528645  0.015687939  2.4773882
## m_community 34    0.0000000  0.000000000  0.0000000
## m_community 35    0.2372813  0.031701206  5.6543921
## m_community 36    0.0000000  0.000000000  0.0000000
## m_community 37    0.2307169  0.034557935  1.0662072
## m_community 38    0.2020816  0.054234807  1.7108103
## m_community 39    0.0000000  0.000000000  0.0000000
## m_community 40    0.1759236  0.058728572  2.9955366
## m_community 41    0.1658108  0.058491843  1.2983397
## m_community 42    0.0000000  0.000000000  0.0000000
## m_community 43    0.0000000  0.000000000  0.0000000
## m_community 44    0.2308388  0.040093049  0.9182342
## m_community 45    0.0000000  0.000000000  0.0000000
## m_community 46    0.0000000  0.000000000  0.0000000
## m_community 47    0.1226013  0.080627906  1.5205813
## m_community 48    0.0000000  0.000000000  0.0000000
```

Calculating the Standardized Effect Size of Mean Pairwise Trait Distances (SES.MPD) of Minor Communities Classified by HC Clustering

Description

Calculate the standardized effect size of mean pairwise trait distances (SES.MPD) of Minor Communities classified by HC clustering.

Usage

```
sesmpd_hc_m_communities(entity, traits, minx, miny, maxx, maxy, scale, replicate, edge)
```

Arguments

entity Distribution coordinates and species information of plant individuals

traits Functional traits of species

minx Core area boundary, minimum x-value

miny Core area boundary, minimum y-value

maxx Core area boundary, maximum x-value

maxy Core area boundary, maximum y-value

scale scale parameter for HC clustering

replicate Number of null model replications

edge Method for filtering Minor Communities based on boundaries, with options “inside” and “centroid”

Value

Standardized effect size of mean pairwise trait distances

Examples

```
entity=M.COMMUNITIES::entity
traits=M.COMMUNITIES::traits
M.COMMUNITIES::sesmpd_hc_m_communities(entity, traits, minx=5, miny=5, maxx=45, maxy=45, scale=5, replicate=99, edge="centroid")
```

##		sp1	sp10	sp14	sp2	sp3	sp4	sp5	sp6	sp7	sp8	sp9	mpd_obv
##	m_community 1	1	0	0	1	1	0	0	1	0	0	1	0.23456440
##	m_community 2	1	0	0	0	5	5	0	1	0	0	0	0.19317025
##	m_community 3	2	0	0	0	0	0	0	2	0	1	0	0.26882721
##	m_community 4	1	6	0	0	5	0	0	2	2	1	0	0.25713958
##	m_community 5	1	0	0	0	1	0	0	0	0	0	0	0.10462920
##	m_community 6	2	0	0	0	6	0	0	1	3	0	0	0.22417204
##	m_community 7	1	0	0	1	2	0	0	1	0	0	0	0.17820278
##	m_community 8	1	0	0	0	1	0	2	5	9	0	0	0.19192140
##	m_community 9	4	0	0	0	1	0	0	2	0	0	0	0.18968524
##	m_community 10	1	0	0	0	4	0	0	2	4	0	0	0.23902511
##	m_community 11	1	0	0	0	5	0	0	1	0	0	0	0.11991405
##	m_community 12	1	2	1	0	0	2	1	3	2	0	2	0.23161710
##	m_community 13	1	0	0	0	2	0	0	1	0	0	0	0.17702906
##	m_community 14	1	0	0	0	2	1	0	0	0	0	0	0.18588491
##	m_community 15	1	0	0	1	0	0	0	0	0	0	0	0.10044778
##	m_community 16	1	0	3	0	0	0	0	1	3	0	0	0.31380921
##	m_community 17	1	0	0	0	2	0	0	3	7	0	0	0.20327007
##	m_community 18	1	2	0	0	0	0	1	0	0	0	0	0.20722481
##	m_community 19	0	0	0	2	1	0	0	0	0	0	0	0.05775660
##	m_community 20	0	0	0	1	1	0	2	1	0	0	0	0.26154678
##	m_community 21	0	2	0	0	1	0	0	1	0	0	0	0.17712265
##	m_community 22	0	3	0	0	1	1	0	0	0	1	0	0.21386782
##	m_community 23	0	0	0	0	3	0	0	0	2	2	0	0.29208018
##	m_community 24	0	0	0	0	5	0	0	0	0	0	0	0.00000000
##	m_community 25	0	0	0	0	2	0	0	0	0	0	0	0.00000000
##	m_community 26	0	0	0	0	3	16	0	1	0	1	0	0.11509827
##	m_community 27	0	6	0	0	4	0	0	1	0	0	0	0.18149428
##	m_community 28	0	0	0	0	2	0	0	1	3	2	2	0.25579024
##	m_community 29	0	0	0	0	1	0	0	2	1	0	0	0.18468455
##	m_community 30	0	3	0	0	1	3	0	0	0	1	0	0.19083896
##	m_community 31	0	5	0	0	4	0	0	5	6	1	4	0.22989363
##	m_community 32	0	1	0	0	4	0	0	6	16	0	3	0.18588016
##	m_community 33	0	1	0	0	5	0	0	3	9	0	0	0.21821134
##	m_community 34	0	2	0	0	2	0	0	0	0	1	0	0.26300548
##	m_community 35	0	0	0	0	6	0	0	9	15	0	1	0.19243684
##	m_community 36	0	0	0	0	11	0	0	0	1	1	0	0.13389472
##	m_community 37	0	0	0	0	3	0	0	6	0	0	1	0.14453070

```

## m_community 38 0 0 0 0 8 0 0 5 3 0 0 0.20063835
## m_community 39 0 0 0 0 1 1 0 5 0 0 0 0.10489514
## m_community 40 0 0 0 0 1 0 0 4 0 0 2 0.12188641
## m_community 41 0 0 0 0 4 2 0 8 4 1 0 0.20848011
## m_community 42 0 0 0 0 1 0 0 5 5 0 0 0.15303295
## m_community 43 0 0 0 0 4 0 0 0 3 0 0 0.21229182
## m_community 44 0 0 0 0 4 0 0 2 6 0 0 0.21492686
## m_community 45 0 0 0 0 1 0 0 3 0 0 0 0.11173582
## m_community 46 0 0 0 0 3 0 0 2 0 0 0 0.14302185
## m_community 47 0 1 0 0 0 1 0 3 5 0 0 0.15413242
## m_community 48 0 3 0 0 0 2 1 2 2 0 0 0.17666741
## m_community 49 0 3 3 0 0 2 0 3 1 0 0 0.23899863
## m_community 50 0 3 0 0 0 1 0 1 0 0 1 0.11914070
## m_community 51 0 2 0 0 0 1 0 0 0 0 0 0.07796837
## m_community 52 0 0 0 0 0 0 2 0 15 0 0 0.06099199
## m_community 53 0 0 0 0 0 0 1 0 8 0 0 0.05803023
## m_community 54 0 1 0 0 0 0 0 1 0 0 0 0.10110204
## m_community 55 0 0 0 0 0 0 0 1 4 1 0 0.13142582
## m_community 56 0 1 0 0 0 0 0 1 1 0 3 0.13940545
## m_community 57 0 4 0 0 0 0 0 1 1 1 0 0.17922118
## m_community 58 0 8 0 0 0 0 0 2 4 1 0 0.17899623
## m_community 59 0 1 0 0 0 0 0 2 0 0 1 0.10929611
## m_community 60 0 0 0 0 0 0 0 5 0 1 1 0.10657093
## m_community 61 0 2 0 0 0 0 0 1 0 0 0 0.08986848
## m_community 62 0 0 0 0 0 0 0 6 4 0 0 0.10754951
## m_community 63 0 2 0 0 0 0 0 0 1 0 0 0.14487378
## m_community 64 0 4 0 0 0 0 0 0 1 2 0 0.19402401
## m_community 65 0 3 0 0 0 0 0 0 1 0 0 0.12223725
## m_community 66 0 0 0 0 0 0 0 0 0 1 0 0.00000000
## null_mpd_mean null_mpd_std ses_MPD
## m_community 1 0.2044184 0.05333866 -0.56518026
## m_community 2 0.2371279 0.03055388 1.43869313
## m_community 3 0.2092220 0.05410941 -1.10156896
## m_community 4 0.2387655 0.02710889 -0.67778705
## m_community 5 0.1190146 0.08433730 0.17057029
## m_community 6 0.2387442 0.02831536 0.51463919
## m_community 7 0.2077837 0.05021802 0.58904957
## m_community 8 0.2413509 0.02606262 1.89656626

```


## m_community 9	0.2256782	0.04130493	0.87139608
## m_community 10	0.2279409	0.03517209	-0.31514156
## m_community 11	0.2178537	0.04846774	2.02071754
## m_community 12	0.2399278	0.02919621	0.28465141
## m_community 13	0.1947883	0.05404225	0.32861805
## m_community 14	0.1983313	0.05253398	0.23692076
## m_community 15	0.1359594	0.06950762	0.51090184
## m_community 16	0.2325725	0.03424343	-2.37233046
## m_community 17	0.2385183	0.02687773	1.31142978
## m_community 18	0.1907372	0.04472296	-0.36866078
## m_community 19	0.1628121	0.06123958	1.71548386
## m_community 20	0.2021858	0.05201440	-1.14124133
## m_community 21	0.1952812	0.05462865	0.33240008
## m_community 22	0.2130173	0.05067412	-0.01678346
## m_community 23	0.2174564	0.04159008	-1.79426803
## m_community 24	0.2010014	0.04886616	4.11330559
## m_community 25	0.1396713	0.07213833	1.93615986
## m_community 26	0.2481678	0.02045581	6.50522078
## m_community 27	0.2318239	0.03310693	1.52021421
## m_community 28	0.2264758	0.03087931	-0.94932219
## m_community 29	0.1931343	0.05278272	0.16008626
## m_community 30	0.2238261	0.04020124	0.82055123
## m_community 31	0.2478861	0.02008938	0.89562123
## m_community 32	0.2487615	0.01621345	3.87834593
## m_community 33	0.2415039	0.02577419	0.90371718
## m_community 34	0.2073439	0.04468341	-1.24568848
## m_community 35	0.2471844	0.02000372	2.73686878
## m_community 36	0.2369160	0.03370703	3.05637235
## m_community 37	0.2327360	0.02926981	3.01352503
## m_community 38	0.2424841	0.02509872	1.66724538
## m_community 39	0.2231376	0.03628995	3.25827168
## m_community 40	0.2228438	0.03824920	2.63946330
## m_community 41	0.2454450	0.02644577	1.39776189
## m_community 42	0.2408471	0.03342992	2.62681328
## m_community 43	0.2242572	0.03924537	0.30488780
## m_community 44	0.2371559	0.02915593	0.76242034
## m_community 45	0.1853907	0.05430389	1.35634634
## m_community 46	0.2032896	0.05250005	1.14795562

```
## m_community 47      0.2328789    0.03321495    2.37081360
## m_community 48      0.2300915    0.03563840    1.49905996
## m_community 49      0.2343325    0.03265386   -0.14289734
## m_community 50      0.2137226    0.04609723    2.05179201
## m_community 51      0.1641066    0.06029225    1.42867783
## m_community 52      0.2392618    0.02695051    6.61470894
## m_community 53      0.2283825    0.03590130    4.74501691
## m_community 54      0.1192733    0.07629972    0.23815647
## m_community 55      0.2081161    0.04640558    1.65260821
## m_community 56      0.2153109    0.04736502    1.60256442
## m_community 57      0.2214088    0.04422985    0.95382761
## m_community 58      0.2398048    0.02975227    2.04383059
## m_community 59      0.1970832    0.05559776    1.57896892
## m_community 60      0.2242686    0.04086684    2.88002915
## m_community 61      0.1628943    0.06834504    1.06848779
## m_community 62      0.2315476    0.03426614    3.61867600
## m_community 63      0.1683531    0.05985200    0.39228950
## m_community 64      0.2241932    0.03325533    0.90719999
## m_community 65      0.1856220    0.05638520    1.12413769
## m_community 66      0.0000000    0.00000000    0.00000000
```

Statistical Information on Species Abundance Ranking in Minor Communities Formed by HC Clustering

Description

Statistically analyze the species abundance ranking information in Minor Communities formed by HC clustering.

Usage

```
stat_hc_m_community_abundance_composition(entity, minx, miny, maxx, maxy, scale, edge)
```

Arguments

entity Distribution coordinates and species information of plant individuals

minx Core area boundary, minimum x-value

miny Core area boundary, minimum y-value

maxx Core area boundary, maximum x-value

maxy Core area boundary, maximum y-value

scale scale parameter for HC clustering

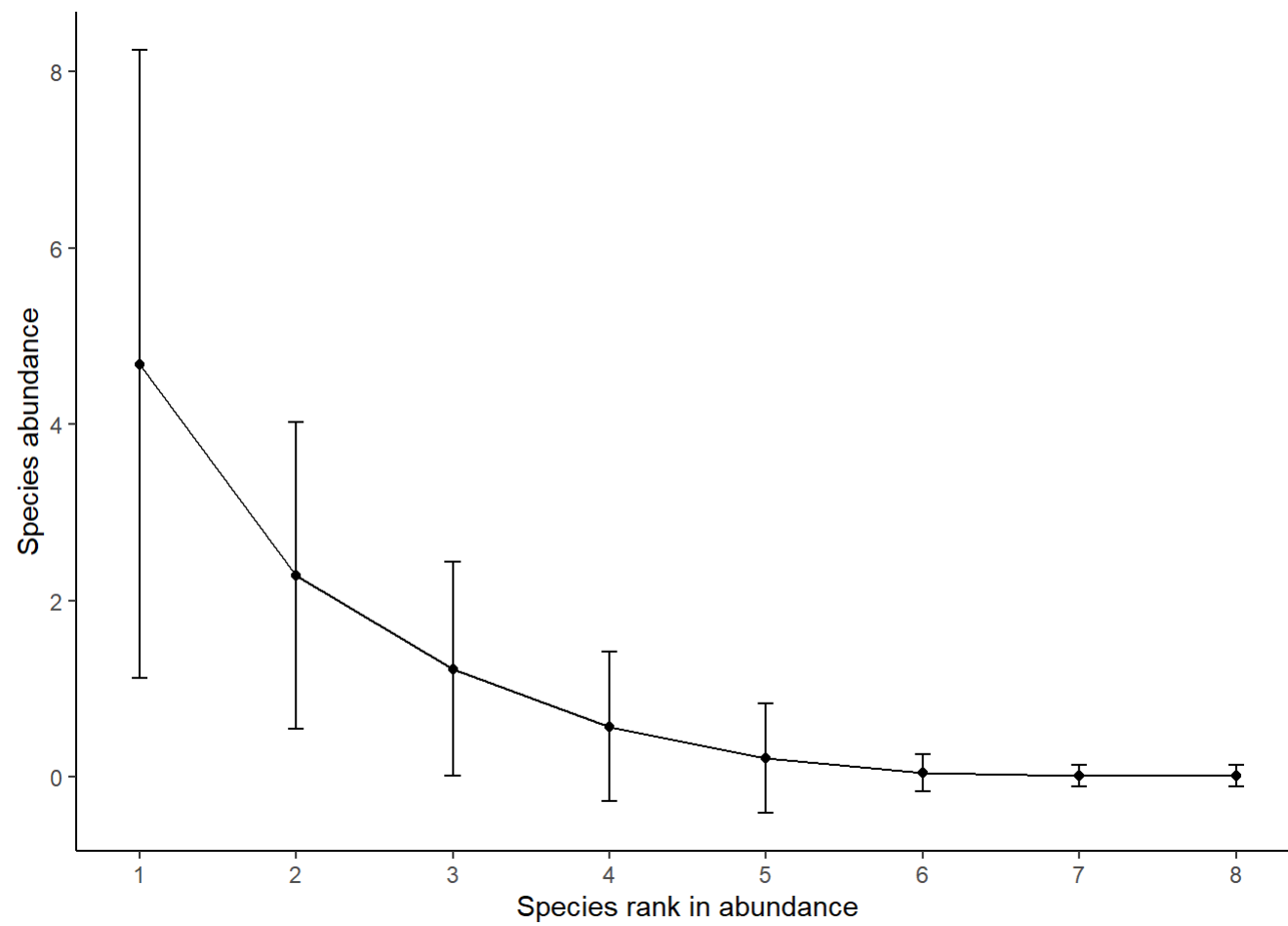
edge Method for filtering Minor Communities based on boundaries, with options “inside” and “centroid”

Value

Various types of information related to species abundance

Examples

```
entity=M.COMMUNITIES::entity  
M.COMMUNITIES::stat_hc_m_community_abundance_composition(entity,minx=5,miny=5,maxx=45,maxy=45,scale=5,edge="centroid")
```



```

## $sp_n
## [1] 5 4 3 6 2 4 4 5 3 4 3 8 3 3 2 4 4 3 2 4 3 4 3 1 1 4 3 5 3 4 6 5 4 3 4 3 3 3
## [39] 3 3 5 3 2 3 2 2 4 5 5 4 2 2 2 2 3 4 4 4 3 3 2 2 2 3 2 1
##
## $abun
##           1 2 3 4 5 6 7 8 m_community_ID
## abun_i      1 1 1 1 1 0 0 0              1
## abun_i.1     5 5 1 1 0 0 0 0              2
## abun_i.2     2 2 1 0 0 0 0 0              3
## abun_i.3     6 5 2 2 1 1 0 0              4
## abun_i.4     1 1 0 0 0 0 0 0              5
## abun_i.5     6 3 2 1 0 0 0 0              6
## abun_i.6     2 1 1 1 0 0 0 0              7
## abun_i.7     9 5 2 1 1 0 0 0              8
## abun_i.8     4 2 1 0 0 0 0 0              9
## abun_i.9     4 4 2 1 0 0 0 0             10
## abun_i.10    5 1 1 0 0 0 0 0             11
## abun_i.11    3 2 2 2 2 1 1 1             12
## abun_i.12    2 1 1 0 0 0 0 0             13
## abun_i.13    2 1 1 0 0 0 0 0             14
## abun_i.14    1 1 0 0 0 0 0 0             15
## abun_i.15    3 3 1 1 0 0 0 0             16
## abun_i.16    7 3 2 1 0 0 0 0             17
## abun_i.17    2 1 1 0 0 0 0 0             18
## abun_i.18    2 1 0 0 0 0 0 0             19
## abun_i.19    2 1 1 1 0 0 0 0             20
## abun_i.20    2 1 1 0 0 0 0 0             21
## abun_i.21    3 1 1 1 0 0 0 0             22
## abun_i.22    3 2 2 0 0 0 0 0             23
## abun_i.23    5 0 0 0 0 0 0 0             24
## abun_i.24    2 0 0 0 0 0 0 0             25
## abun_i.25   16 3 1 1 0 0 0 0             26
## abun_i.26    6 4 1 0 0 0 0 0             27
## abun_i.27    3 2 2 2 1 0 0 0             28
## abun_i.28    2 1 1 0 0 0 0 0             29
## abun_i.29    3 3 1 1 0 0 0 0             30
## abun_i.30    6 5 5 4 4 1 0 0             31
## abun_i.31   16 6 4 3 1 0 0 0             32

```

```

## abun_i.32  9 5 3 1 0 0 0 0      33
## abun_i.33  2 2 1 0 0 0 0 0      34
## abun_i.34 15 9 6 1 0 0 0 0      35
## abun_i.35 11 1 1 0 0 0 0 0      36
## abun_i.36  6 3 1 0 0 0 0 0      37
## abun_i.37  8 5 3 0 0 0 0 0      38
## abun_i.38  5 1 1 0 0 0 0 0      39
## abun_i.39  4 2 1 0 0 0 0 0      40
## abun_i.40  8 4 4 2 1 0 0 0      41
## abun_i.41  5 5 1 0 0 0 0 0      42
## abun_i.42  4 3 0 0 0 0 0 0      43
## abun_i.43  6 4 2 0 0 0 0 0      44
## abun_i.44  3 1 0 0 0 0 0 0      45
## abun_i.45  3 2 0 0 0 0 0 0      46
## abun_i.46  5 3 1 1 0 0 0 0      47
## abun_i.47  3 2 2 2 1 0 0 0      48
## abun_i.48  3 3 3 2 1 0 0 0      49
## abun_i.49  3 1 1 1 0 0 0 0      50
## abun_i.50  2 1 0 0 0 0 0 0      51
## abun_i.51 15 2 0 0 0 0 0 0      52
## abun_i.52  8 1 0 0 0 0 0 0      53
## abun_i.53  1 1 0 0 0 0 0 0      54
## abun_i.54  4 1 1 0 0 0 0 0      55
## abun_i.55  3 1 1 1 0 0 0 0      56
## abun_i.56  4 1 1 1 0 0 0 0      57
## abun_i.57  8 4 2 1 0 0 0 0      58
## abun_i.58  2 1 1 0 0 0 0 0      59
## abun_i.59  5 1 1 0 0 0 0 0      60
## abun_i.60  2 1 0 0 0 0 0 0      61
## abun_i.61  6 4 0 0 0 0 0 0      62
## abun_i.62  2 1 0 0 0 0 0 0      63
## abun_i.63  4 2 1 0 0 0 0 0      64
## abun_i.64  3 1 0 0 0 0 0 0      65
## abun_i.65  1 0 0 0 0 0 0 0      66
##
## $total_abun
## abun_i abun_i abun_i abun_i abun_i abun_i abun_i abun_i abun_i abun_i
##      5      12      5      17      2      12      5      18      7      11      7

```

```

## abun_i abun_i abun_i abun_i abun_i abun_i abun_i abun_i abun_i abun_i abun_i
##      14      4      4      2      8      13      4      3      5      4      6
## abun_i abun_i abun_i abun_i abun_i abun_i abun_i abun_i abun_i abun_i abun_i
##      7      5      2      21     11     10      4      8     25     30     18
## abun_i abun_i abun_i abun_i abun_i abun_i abun_i abun_i abun_i abun_i abun_i
##      5     31     13     10     16      7      7     19     11      7     12
## abun_i abun_i abun_i abun_i abun_i abun_i abun_i abun_i abun_i abun_i abun_i
##      4      5     10     10     12      6      3     17      9      2      6
## abun_i abun_i abun_i abun_i abun_i abun_i abun_i abun_i abun_i abun_i abun_i
##      6      7     15      4      7      3     10      3      7      4      1
##
## $mean_total_abun
## [1] 9.060606
##
## $sd_total_abun
## [1] 6.444745
##
## $mean_abun
##      1      2      3      4      5      6      7
## 4.68181818 2.28787879 1.22727273 0.57575758 0.21212121 0.04545455 0.01515152
##      8
## 0.01515152
##
## $sd_abun
##      1      2      3      4      5      6      7      8
## 3.5611541 1.7344044 1.2126951 0.8423521 0.6205494 0.2098951 0.1230915 0.1230915
##
## $mean_sp_n
## [1] 3.333333
##
## $sd_sp_n
## [1] 1.281025

```

Decomposing Abundance-based SES.MPD Using Presence-based

SES.MPD and SES.E

Description

Decompose the abundance-based SES.MPD using presence-based SES.MPD and SES.E.

Usage

```
VPA_priority_enviroment_hc(entity, traits, minx, miny, maxx, maxy, scale, replicate, edge = "centroid")
```

Arguments

entity Distribution coordinates and species information of plant individuals

traits Functional traits of species

minx Core area boundary, minimum x-value

miny Core area boundary, minimum y-value

maxx Core area boundary, maximum x-value

maxy Core area boundary, maximum y-value

scale Scale for HC clustering

replicate Number of null model replications

edge Method for filtering Minor Communities based on boundaries, with options "inside" and "centroid"

Value

Abundance-based (and presence-based) SES.MPD, SES.E

Examples

```
entity=M.COMMUNITIES::entity
traits=M.COMMUNITIES::traits
M.COMMUNITIES::VPA_priority_enviroment_hc(entity, traits, minx=5, miny=5, maxx=45, maxy=45, scale=5, replicate=99, edge="centroid")
```



```
## Warning: 程序包'glmm.hp'是用R版本4.4.3 来建造的
```

```
## 载入需要的程序包: MuMIn
```

```
## Warning: 程序包'MuMIn'是用R版本4.4.3 来建造的
```

```
## Thank you for using this package! If you use this package in your research, please cite the following references
```

```
## Jiangshan Lai, Weijie Zhu, Dongfang Cui, Lingfeng Mao(2023). Extension of the glmm.hp package to Zero-Inflated generalized linear mixed models and multiple regression. Journal of Plant Ecology,16(6):rtad038
```

```
## Warning: 程序包'eulerr'是用R版本4.4.3 来建造的
```

##		sp1	sp10	sp14	sp2	sp3	sp4	sp5	sp6	sp7	sp8	sp9	ses_rich_mpd
## m_community 1	1	1	0	0	1	1	0	0	1	0	0	1	-0.5185747
## m_community 2	1	1	0	0	0	5	5	0	1	0	0	0	1.1948835
## m_community 3	2	2	0	0	0	0	0	0	2	0	1	0	-1.2824708
## m_community 4	1	1	6	0	0	5	0	0	2	2	1	0	-0.4436604
## m_community 5	1	1	0	0	0	1	0	0	0	0	0	0	0.2351205
## m_community 6	2	2	0	0	0	6	0	0	1	3	0	0	0.2823620
## m_community 7	1	1	0	0	1	2	0	0	1	0	0	0	0.5546017
## m_community 8	1	1	0	0	0	1	0	2	5	9	0	0	2.2370616
## m_community 9	4	4	0	0	0	1	0	0	2	0	0	0	0.6315527
## m_community 10	1	1	0	0	0	4	0	0	2	4	0	0	-0.2624986
## m_community 11	1	1	0	0	0	5	0	0	1	0	0	0	2.9465750
## m_community 12	1	1	2	1	0	0	2	1	3	2	0	2	0.2641860
## m_community 13	1	1	0	0	0	2	0	0	1	0	0	0	0.3724431
## m_community 14	1	1	0	0	0	2	1	0	0	0	0	0	0.3686959
## m_community 15	1	1	0	0	1	0	0	0	0	0	0	0	0.3901338
## m_community 16	1	1	0	3	0	0	0	0	1	3	0	0	-2.2860342
## m_community 17	1	1	0	0	0	2	0	0	3	7	0	0	1.3390177
## m_community 18	1	1	2	0	0	0	0	1	0	0	0	0	-0.2423120
## m_community 19	0	0	0	0	2	1	0	0	0	0	0	0	1.7517463
## m_community 20	0	0	0	0	1	1	0	2	1	0	0	0	-1.0987798
## m_community 21	0	0	2	0	0	1	0	0	1	0	0	0	0.2808705
## m_community 22	0	0	3	0	0	1	1	0	0	0	1	0	0.1014474
## m_community 23	0	0	0	0	0	3	0	0	0	2	2	0	-1.6289328
## m_community 24	0	0	0	0	0	5	0	0	0	0	0	0	4.1730766
## m_community 25	0	0	0	0	0	2	0	0	0	0	0	0	1.4275791
## m_community 26	0	0	0	0	0	3	16	0	1	0	1	0	5.7097246
## m_community 27	0	0	6	0	0	4	0	0	1	0	0	0	1.3448995
## m_community 28	0	0	0	0	0	2	0	0	1	3	2	2	-0.6336548
## m_community 29	0	0	0	0	0	1	0	0	2	1	0	0	-0.1028540
## m_community 30	0	0	3	0	0	1	3	0	0	0	1	0	1.1256444
## m_community 31	0	0	5	0	0	4	0	0	5	6	1	4	0.9925263
## m_community 32	0	0	1	0	0	4	0	0	6	16	0	3	3.6782719
## m_community 33	0	0	1	0	0	5	0	0	3	9	0	0	1.1000655
## m_community 34	0	0	2	0	0	2	0	0	0	0	1	0	-0.9795812
## m_community 35	0	0	0	0	0	6	0	0	9	15	0	1	2.8538432
## m_community 36	0	0	0	0	0	11	0	0	0	1	1	0	3.9956838
## m_community 37	0	0	0	0	0	3	0	0	6	0	0	1	2.8713839

```

## m_community 38 0 0 0 0 8 0 0 5 3 0 0 1.8094827
## m_community 39 0 0 0 0 1 1 0 5 0 0 0 2.8119950
## m_community 40 0 0 0 0 1 0 0 4 0 0 2 2.3491026
## m_community 41 0 0 0 0 4 2 0 8 4 1 0 1.7100934
## m_community 42 0 0 0 0 1 0 0 5 5 0 0 2.3670617
## m_community 43 0 0 0 0 4 0 0 0 3 0 0 0.1724367
## m_community 44 0 0 0 0 4 0 0 2 6 0 0 0.7660176
## m_community 45 0 0 0 0 1 0 0 3 0 0 0 1.4390950
## m_community 46 0 0 0 0 3 0 0 2 0 0 0 1.4577969
## m_community 47 0 1 0 0 0 1 0 3 5 0 0 2.1932598
## m_community 48 0 3 0 0 0 2 1 2 2 0 0 1.5943405
## m_community 49 0 3 3 0 0 2 0 3 1 0 0 -0.1173106
## m_community 50 0 3 0 0 0 1 0 1 0 0 1 2.2918537
## m_community 51 0 2 0 0 0 1 0 0 0 0 0 1.3522719
## m_community 52 0 0 0 0 0 0 2 0 15 0 0 7.6782662
## m_community 53 0 0 0 0 0 0 1 0 8 0 0 5.4526815
## m_community 54 0 1 0 0 0 0 0 1 0 0 0 0.5464839
## m_community 55 0 0 0 0 0 0 0 1 4 1 0 2.1732831
## m_community 56 0 1 0 0 0 0 0 1 1 0 3 2.1860386
## m_community 57 0 4 0 0 0 0 0 1 1 1 0 1.1004607
## m_community 58 0 8 0 0 0 0 0 2 4 1 0 1.8962114
## m_community 59 0 1 0 0 0 0 0 2 0 0 1 1.4208797
## m_community 60 0 0 0 0 0 0 0 5 0 1 1 2.9123547
## m_community 61 0 2 0 0 0 0 0 1 0 0 0 1.1587343
## m_community 62 0 0 0 0 0 0 0 6 4 0 0 3.9817073
## m_community 63 0 2 0 0 0 0 0 0 1 0 0 0.4526422
## m_community 64 0 4 0 0 0 0 0 0 1 2 0 0.8138158
## m_community 65 0 3 0 0 0 0 0 0 1 0 0 1.3007174
## m_community 66 0 0 0 0 0 0 0 0 0 1 0 0.0000000
##          ses_occur_mpd ses_Pielou_E
## m_community 1      0.37893487 -1.627757872
## m_community 2      0.28191392  1.838268461
## m_community 3     -2.10992080  0.523583675
## m_community 4     -1.43034466  0.447716140
## m_community 5      0.30976573 -0.484872159
## m_community 6     -0.83849947  1.999049177
## m_community 7      0.73766557 -0.576019319
## m_community 8     -1.18304212  2.159130438

```

## m_community 9	0.18212432	1.618332951
## m_community 10	-0.45092687	1.312894768
## m_community 11	0.09315515	2.710978842
## m_community 12	-0.14282289	-2.019046215
## m_community 13	0.10849661	0.089311513
## m_community 14	-0.23127702	0.083975366
## m_community 15	0.33729550	-0.562821177
## m_community 16	-3.00478918	0.877154238
## m_community 17	-0.47666289	1.837969744
## m_community 18	-0.55077217	0.049431875
## m_community 19	1.64566959	0.973089467
## m_community 20	-0.42335781	-0.671498781
## m_community 21	0.53354594	0.199134373
## m_community 22	-0.93753060	0.109910458
## m_community 23	-2.19569972	1.052836100
## m_community 24	5.22062363	4.092957996
## m_community 25	1.58533011	1.977397535
## m_community 26	-0.18827358	5.603950560
## m_community 27	0.80557130	2.454264853
## m_community 28	-0.01989292	-0.292757504
## m_community 29	-0.35842824	-0.016933147
## m_community 30	-0.71562464	0.585352515
## m_community 31	0.42773497	0.283805883
## m_community 32	1.62699695	3.737707314
## m_community 33	0.37525969	2.819019059
## m_community 34	-1.80373768	0.421852956
## m_community 35	1.17328763	4.009877696
## m_community 36	-3.25497918	5.135545886
## m_community 37	1.57932347	3.112518245
## m_community 38	-0.09491068	3.138955830
## m_community 39	0.74318059	1.758869705
## m_community 40	1.15435241	1.661524799
## m_community 41	-0.19393251	1.490490118
## m_community 42	-0.15191542	2.639649150
## m_community 43	-3.00575168	2.526136847
## m_community 44	-0.08712728	2.692970117
## m_community 45	0.04800743	2.055379431
## m_community 46	0.25581871	2.158914254

## m_community 47	2.48245658	1.381145152
## m_community 48	2.52489728	-0.235327311
## m_community 49	0.33703408	0.375437683
## m_community 50	3.18068434	0.103876127
## m_community 51	1.15561807	0.675652298
## m_community 52	0.69991527	6.794558036
## m_community 53	0.37012111	4.426215400
## m_community 54	0.54126262	-0.531816023
## m_community 55	0.55599916	1.756575521
## m_community 56	2.12597976	0.072742365
## m_community 57	0.29012631	0.621688511
## m_community 58	0.98272490	2.256297379
## m_community 59	2.30798365	0.006192456
## m_community 60	1.53437212	2.467153146
## m_community 61	1.31375460	0.837344285
## m_community 62	2.70437063	3.797670921
## m_community 63	-0.28841589	0.871261832
## m_community 64	-0.23014573	1.629658766
## m_community 65	-0.39247361	1.794517520
## m_community 66	0.00000000	0.000000000